BAY CITY

REVISED MINUTES • MARCH 26, 2015

Council Chambers	Regular Meeting	7:00 PM

1901 5TH STREET
BAY CITY, TX 77414

1. CALL TO ORDER & CERTIFICATION OF QUORUM

Attendee Name	Title	Status	Arrived
Chrystal Folse	Councilwoman	Present	
Steven Johnson	Councilman	Present	
Mark Bricker	Mayor	Present	
Carolyn Thames	Mayor Pro-Tem	Present	
Julie Estlinbaum	Councilwoman	Present	
William Cornman	Councilman	Present	

2. INVOCATION & PLEDGE OF ALLEGIANCE - COUNCILWOMAN CHRYSTAL FOLSE

Texas State Flag Pledge:
"Honor The Texas Flag; I Pledge Allegiance To Thee, Texas, One State Under God, One And Indivisible."

3. PUBLIC COMMENTS

State Law prohibits any deliberation of or decisions regarding items presented in public comments. City Council may only make a statement of specific factual information given in response to the inquiry; recite an existing policy; or request staff places the item on an agenda for a subsequent meeting.

Bay City resident Brady Bowers informed Mayor and Council that he had reviewed the 2040 Plan and saw something appalling. It stated that 30% of citizens did not have a High School diploma or GED. He stated that he did not know how we would address this issue.

Bay City resident David Torrez stated on his way to Houston his wife was looking at Facebook. He stated that you would be surprised how many people talked about the roads. Mr. Torrez commented that those citizens needed to be here at the meeting telling you what to do. Mr. Torrez went on to state that we spend all this money on engineers to get the same information. You keep talking about Nile Valley; I want to hear about our roads. He stated that he was fed up about it. You talk and talk and talk about it. Mr. Torrez commented on the Post Office Road (Baywood Drive). There is a solid white line, and you can't cross it because it's a solid white line. It's confusing. He asked what the line was for. Mr. Torrez added that we needed to know what you were doing. He pointed out that there was a water leak on Marguerite again; and there was a big chug hole by Holy Cross that was still there with plywood covering it. Mr. Torrez commented that we still have meter readers. What did we spend all that money on it for, if they are not working. Where is our money going?

4. CONSENT AGENDA ITEMS FOR CONSIDERATION AND/OR APPROVAL

The following items may be acted upon in a single motion. No separate discussion or action on any of these items will be held unless requested by a member of the City Council. Public

comment on consent agenda items may be heard without removing the item from the consent agenda. Each person providing public comment will be limited to 3 minutes.

Council was polled on item 4-1.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Carolyn Thames, Mayor Pro-Tem
SECONDER:	William Cornman, Councilman
AYES:	Folse, Johnson, Thames, Estlinbaum, Cornman

1. Ordinance

   CONSIDER AND/OR APPROVE AMENDING CITY ORDINANCE NO. 1525 TO UPDATE THE EMPLOYEE GUIDELINES EFFECTIVE IMMEDIATELY TO PROVIDE FOR PRE-EMPLOYMENT BACKGROUND CHECKS, EMPLOYEE RELOCATION REIMBURSEMENT AND TUITION REIMBURSEMENT POLICIES

   Rhonda Clegg, City Secretary

   ORDINANCE

   Enacted and approved this 26th day of March, 2015, at Bay City

2. Appointment

   CONSIDER AND/OR APPROVE THE MAYOR'S APPOINTMENT OF DAVID HOLUBEC TO THE MAINSTREET BOARD.

   Mayor Mark A. Bricker

   Enacted and approved this 26th day of March, 2015, at Bay City

5. REGULAR ITEMS FOR DISCUSSION, CONSIDERATION AND/OR APPROVAL:

1. Report

   DISCUSS, CONSIDER AND/OR APPROVE A FEE SCHEDULE FOR TOW TRUCKS CALLED BY THE BAY CITY POLICE DEPARTMENT AND DIRECT STAFF AS NECESSARY

   Councilwoman Julie L. Estlinbaum
   Councilwoman Estlinbaum asked that the item be pulled and placed on the agenda for the next meeting.

2. Agreement

   CONSIDER AND/OR APPROVE AGREEMENT WITH TEXAS DEPARTMENT OF HEALTH SERVICES FOR THE CLOSED EMERGENCY POINT OF DISPENSING UNIT INITIATIVE DESIGNATING LOCATIONS TO DISPENSE MEDICATION IN EMERGENCY.

   Marla Jasek, Assistant Public Works Director
   Mrs. Jasek explained that the agreement would allow for City's employees, City Council, and their families to receive the medicine/antibiotics in a timely fashion, in case of a disaster. This will allow for the City to continue on with the City's essential services.

   Councilman Johnson asked if this would be mandatory for employees. Mrs. Jasek said no, but it would be for their benefit. Councilman Cornman asked if this was a

new program, and Mrs. Jasek stated yes. Mayor Pro Tem Thames asked if there was a charge to the employee. Mrs. Jasek stated that there would be no charge for the medicine or to the employee.

Councilman Cornman asked questions about the City's Emergency Plan. Mrs. Jasek stated that the Public Works Department put it together.

MOTION BY COUNCILMAN CORNMAN, SECOND BY COUNCILWOMAN FOLSE TO APPROVE THE AGREEMENT WITH THE ACTION ITEM THAT THE EMERGENCY PLAN BE UPDATED IN ITS ENTIRETY TO INCLUDE POLICIES AND PROCEDURES TO EXECUTE THIS AGREEMENT. MOTION CARRIED BY UNANIMOUS VOTE.

RESULT:	**APPROVED AS AMENDED [UNANIMOUS]**
MOVER:	William Cornman, Councilman
SECONDER:	Chrystal Folse, Councilwoman
AYES:	Folse, Johnson, Thames, Estlinbaum, Cornman

Enacted and approved this 26th day of March, 2015, at Bay City

3. Report

PROVIDE AN UPDATE ON SIEMENS PROJECT AND THE STATUS OF COMPLIANCE WITH THEIR PERFORMANCE GUARANTEE FOR THE COST REDUCTION AND NEW REVENUE GENERATION PROJECT COMPLETED IN 2013.

Barry Calhoun, Director of Public Works
Mr. Calhoun yielded to Deval Allums with Siemens.

Mrs. Allums spoke about the presentation that had been previously provided to Council.

Councilman Cornman asked if the $70,000 was better than what was predicted. He also asked about meter maintenance, and what was in the contract for meter maintenance. He stated that there were a lot of meters not working. Mrs. Allums stated that there was not a meter contract, and never has been. It was not elected by the City. Councilwoman Estlinbaum asked if meter maintenance was typically included in the contract. Mrs. Allums stated not typically.

The Mayor clarified that there was a 20 year warranty that would take care of replacing broken meters. Councilman Cornman asked how many meters were not working. Mr. Calhoun stated that 935 meters did not read this month. There are a number of reasons why they may not be reading. Councilman Cornman asked if maintenance cost have gone up, and Mr. Calhoun stated yes.

Councilman Cornman commented about sludge haul. He stated that costs have gone up. Mrs. Allums stated that it was in terms of how it was utilized. She explained that the system was designed to hold 20 yards, and the de-watering boxes are able to hold 30 yards. The system was not being used the way it was designed. It was met with resistance.

Mrs. Allums clarified that the presentation was for year one. The issues that were being discussed were for year two. Councilman Cornman stated that when he reviewed the document, he was looking for recommendations. Mrs. Allums informed Mayor and Council that they worked closely with the staff and if they needed guidance they were always there to assist.

Mr. Calhoun clarified the issue with the Polymer System and the Scada System. Councilman Johnson asked if it was a training issue with the Polymer System, and Mr. Calhoun stated yes.

Councilman Cornman stated that if the City would do this again next year, he would be looking for recommendations in writing. He added that he wanted in a written report. Mrs. Allums stated that they would do it.

Mayor Pro Tem Thames asked if the savings for the first year were normal. Mrs. Allums stated the savings were good; however, but like Councilman Cornman stated, if the blowers were working right, it would have been better. Councilman Cornman asked when the was published, and Mrs. Allums stated November. He commented that they should be receiving it sooner.

Councilman Cornman stated that the blower was not designed correctly, and added that it was running at its curve. Mrs. Allums disagreed. She added that it was designed for the plant of the City's size. It was not over-designed. It was not under-designed.

4. Report

PROVIDE UPDATE ON THE REPAIR AND RECONDITIONING OF THE CITY'S ELEVATED AND GROUND DOMESTIC WATER TANKS, AND THE PROGRESS OF SECURING A MAINTENANCE CONTRACT FOR THE CITY'S WATER TANKS.

Barry Calhoun, Director of Public Works
Mr. Calhoun yielded to Matt Breazeal.

Mr. Breazeal provided Mayor and Council with a timeline for the water tank rehab. He asked if Mayor and Council were looking for a lighter color on the tank or a darker color. He added that the darker color would affect the cost. Councilman Cornman stated that it needed to be a light color because of the water temperature. The consensus of Council was to paint the tank white. Mr. Breazeal asked about the finishes. He asked if Mayor and Council wanted a high gloss finish or matte. He added that the high gloss finishes were more expensive. The consensus of Council was to go with a matte finish.

Councilman Cornman asked what was the cost of the tanks. Mr. Breazeal stated that Katy will be about $100,000 for the interior exterior. The Grace tank will cost about $300,000. He added that it would push the $500,000 budget, but it should not go over it.

5. Presentation

PRESENTATION AND DISCUSSION N THE TEXAS COLORADO RIVER FLOODPLAIN COALITION (TCRFC) PROJECT TO UPDATE THE LOCAL HAZARD MITIGATION PLAN.

Marla Jasek, Assistant Director of Public Works
Mrs. Jasek informed Mayor and Council that the City currently has a Mitigation Plan. She added that the City was a member of this coalition. Mrs. Jasek explained that FEMA has changed, so now there is only one plan per County. She added that the City will have a part in the plan. The time frame to get the plan complete is by the end of the year. Mrs. Jasek stated in the end Council would have to approve the plan.

6. Ordinance

DISCUSS, CONSIDER AND/OR APPROVE DRAFT REVISIONS AND ADDITIONS TO CHAPTER 98 SUBDIVISION ORDINANCE AND INSTRUCT CITY ATTORNEY ON PREPARATION OF AMENDMENTS TO CHAPTER.

Marla Jasek, Asst. Director of Public Works
Mrs. Jasek explained that she was still working on it. She stated that she had made some revisions. A development plat section was added. Mrs. Jasek stated that the addition of the section would allow for the City to have some control over development. She informed Mayor and Council that it was brought to the Planning Commission. They had some things that they wanted to amend, and they would get them back to her.

Mayor Pro Tem Thames asked if it would make it easier for developers or harder. Mrs. Jasek stated that it would go from being a one size fits all plan to allow more flexibility. She added that there would have to be a public hearing due to the addition of the development section.

RESULT:	**TABLED**	**Next: 5/28/2015 7:00 PM**

7. Planning / Plat

Discuss Recommendations for Updating Building Codes

Marla Jasek, Asst. Director of Public Works
Mrs. Jasek suggested that the City update to the 2015 Code, with some exceptions. She added that the City needed to adopt the 2009 Energy Code.

Councilman Cornman asked about the existing Building Code. Mrs. Jasek explained that the 2015 Code does not adopt Chapter 34, and that adopting the 2015 Building Code would adopt the 2015 existing Building Code. Mr. Hyde pointed out that it would take a minute before it would be brought back to Council because of the review process.

8. Report

STATUS UPDATE ON REPAIR OPTIONS FOR NILE VALLEY ROAD.

Councilman Cornman informed everyone that they would meet tomorrow at 9 a.m. to discuss the road.

9. Report

RECEIVE UPDATE ON THE VISION 2040 PLAN AND TAKE ANY ACTION THAT IS NECESSARY.

Mayor Mark A. Bricker
The Mayor asked if they had discussed the Council Liaisons for the different committees. Council could not recall. Mayor stated that they would resend the information.

Councilman Cornman stated that Council still did not have his proposed schedule for meeting with the different organizations. The Mayor stated that he was still working on it. Councilman Cornman asked that the Mayor send out the dates when it was complete. The Mayor stated he would do so.

6. ITEMS / COMMENTS & MAYOR AND COUNCIL MEMBERS

Mayor Pro Tem Thames asked that the clock in the back of the Council Chambers be adjusted.

Councilwoman Folse reminded everyone of the Little League Opening Day on Saturday, and of the Great Steak Cook-Off tomorrow.

The Mayor informed everyone that next month was the MS150. If anyone knew of anyone affected by MS150, to please let him know because he would add their names to his shirt. He also informed everyone that there would be a Workshop before the next Council Meeting for the North Downtown Plan.

Councilman Cornman informed everyone that the bids for the FEMA Dome would be opened next week. He asked that there be an update on the next agenda for the swimming pool and the aviation gas situation.

7. ADJOURNMENT

AGENDA NOTICES:

Action by Council Authorized:
The City Council may vote and/or act upon any item within this Agenda. The Council reserves the right to retire into executive session concerning any of the items listed on this Agenda, pursuant to and in accordance with Texas Government Code Section 551.071, to seek the advice of its attorney about pending or contemplated litigation, settlement offer or on a matter in which the duty of the attorney to the governmental body under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas conflict with the Open Meetings Act and may invoke this right where the City Attorney, the Mayor or a majority of the Governing Body deems an executive session is necessary to allow privileged consultation between the City Attorney and the governing body, if considered necessary and legally justified under the Open Meetings Act. The City Attorney may appear in person, or appear in executive session by conference call in accordance with applicable state law.

Attendance By Other Elected or Appointed Officials:
It is anticipated that members of other city board, commissions and/or committees may attend the meeting in numbers that may constitute a quorum of the other city boards, commissions and/or committees. Notice is hereby given that the meeting, to the extent required by law, is also noticed as a meeting of the other boards, commissions and/or committees of the City, whose members may be Agenda City Council August 8, 2013 in attendance. The members of the boards, commissions and/or committees may participate in discussions on the same items listed on the agenda, which occur at the meeting, but no action will be taken by such in attendance unless such item and action is specifically provided for on an agenda for that board, commission or committee subject to the Texas Open Meetings Act.

Executive Sessions Authorized:
This agenda has been reviewed and approved by the City's legal counsel and the presence of any subject in any Executive Session portion of the agenda constitutes a written interpretation of Texas Government Code Chapter 551 by legal counsel for the governmental body and constitutes an opinion by the attorney that the items discussed therein may be legally discussed in the closed portion of the meeting considering available opinions of a court of record and opinions of the Texas Attorney General known to the attorney. This provision has been added to this agenda with the intent to meet all elements necessary to satisfy Texas Government Code Chapter 551.144(c) and the meeting is conducted by all participants in reliance on this opinion.

This is to certify that the above notice of a Workshop Meeting was posted on the front window of the City Hall of the City of Bay City, Texas on Thursday, March 23, 2015, before 7:00 p.m. Any questions concerning the above items, please contact Mayor Mark A. Bricker at (979) 245-2137.

_____

Rhonda Clegg
City Secretary

City Council
1901 5Th Street
Bay City, TX 77414

ADOPTED

Meeting: 03/26/15 07:00 PM
Department: City Secretary
Category: Personnel
Prepared By: Rhonda Clegg
Initiator: Rhonda Clegg
Sponsors:
DOC ID: 1800

ORDINANCE (ID # 1800)

CONSIDER AND/OR APPROVE AMENDING CITY ORDINANCE NO. 1525 TO UPDATE THE EMPLOYEE GUIDELINES EFFECTIVE IMMEDIATELY TO PROVIDE FOR PRE-EMPLOYMENT BACKGROUND CHECKS, EMPLOYEE RELOCATION REIMBURSEMENT AND TUITION REIMBURSEMENT POLICIES

The Proposed Changes are undergoing legal review and may be updated prior to meeting.

HISTORY:

03/12/15	**City Council**	**TABLED**	**Next: 03/26/15**

RESULT:	**APPROVED BY CONSENT VOTE [UNANIMOUS]**
MOVER:	Carolyn Thames, Mayor Pro-Tem
SECONDER:	William Cornman, Councilman
AYES:	Folse, Johnson, Thames, Estlinbaum, Cornman

City Council
1901 5Th Street
Bay City, TX 77414

ADOPTED

Meeting: 03/26/15 07:00 PM
Department: Mayor's Office
Category: Appointment
Prepared By: Dustin Hodges
Initiator: Dustin Hodges
Sponsors:
DOC ID: 1835

AGENDA ITEM (ID # 1835)

CONSIDER AND/OR APPROVE THE MAYOR'S APPOINTMENT OF DAVID HOLUBEC TO THE MAINSTREET BOARD.

RESULT:	**APPROVED BY CONSENT VOTE [UNANIMOUS]**
MOVER:	Carolyn Thames, Mayor Pro-Tem
SECONDER:	William Cornman, Councilman
AYES:	Folse, Johnson, Thames, Estlinbaum, Cornman

CITY OF BAY CITY
VOLUNTEER INTEREST FORM

Dear Resident:

This form will let the City Council know of your interest and qualifications to serve on a City board or commission. You are encouraged to contact the Mayor concerning your nomination. You may also submit a resume or brief background information regarding your qualifications. This form will be kept on file for a period of two years in the City Secretary's office.

PLEASE TYPE OR PRINT:

Date: 02/24/2015
Name: David Holubec Home Address: 2817 5th Street (P O Box 1257)
City: Bay City State Texas Zip 77414
Home Phone: (832) 244-6021 Business Phone: (979) 323-5059
Employer: Van Vleck ISD Occupation: Campus Principal
E-mail: cdholubec@gmail.com
Resident of the Bay City Corporate City Limits: (circle one) ☑ Yes ☐ No
Resident of City for 49 years

I am interested in serving on the following boards:

(Boards and Committees include: Bay City Community Development Corporation (BCCDC), Main Street, Planning Commission, Historic Commission, Convention and Visitor Bureau (CVB), and Housing Authority)

1.) Mainstreet Board
2.) _____
3.) _____
4.) _____

Please list any involvement in civic groups or clubs, current or past service on city boards, or other information qualifying you for service:

Matagorda County Historical Marker Chairman
Matagorda County Certified Local Government Historical Preservation Officer
Matagorda County Historical Commission
Matagorda County Historical Museum board member
Bay City Public Library board member (past)

David Holubec
Signature

Return completed form to the City Secretary's Office: 1901 5th Street, Bay City, Texas 77414

City Council
1901 5Th Street
Bay City, TX 77414

SCHEDULED

Meeting: 03/26/15 07:00 PM
Department: City Secretary
Category: Report
Prepared By: Rhonda Clegg
Initiator: Rhonda Clegg
Sponsors:
DOC ID: 1840

DISCUSSION ITEM (ID # 1840)

DISCUSS, CONSIDER AND/OR APPROVE A FEE SCHEDULE FOR TOW TRUCKS CALLED BY THE BAY CITY POLICE DEPARTMENT AND DIRECT STAFF AS NECESSARY

City Council
1901 5Th Street
Bay City, TX 77414

ADOPTED

Meeting: 03/26/15 07:00 PM
Department: Mayor's Office
Category: Agreement
Prepared By: Dustin Hodges
Initiator: Dustin Hodges
Sponsors:
DOC ID: 1834

AGENDA ITEM (ID # 1834)

CONSIDER AND/OR APPROVE AGREEMENT WITH TEXAS DEPARTMENT OF HEALTH SERVICES FOR THE CLOSED EMERGENCY POINT OF DISPENSING UNIT INITIATIVE DESIGNATING LOCATIONS TO DISPENSE MEDICATION IN EMERGENCY.

RESULT:	**APPROVED AS AMENDED [UNANIMOUS]**
MOVER:	William Cornman, Councilman
SECONDER:	Chrystal Folse, Councilwoman
AYES:	Folse, Johnson, Thames, Estlinbaum, Cornman

MEMORANDUM OF UNDERSTANDING

Between

Department of State Health Services, Health Services Region [*Region Number]*

And *The City of Bay City*

This Memorandum of Understanding (MOU) between the Department of State Health Services, Health Services Region [*Region Number*] and The City of Bay City witnesses that:

Whereas, the Department of State Health Services is authorized to enter into agreements with other government entities, the private sector, and private, non-profit entities to ensure an expedient, effective, and coordinated response to any natural or man-made disaster; and

Whereas in the event of a Public Health Emergency event in the State of Texas, local and regional health and medical infrastructure and associated resources will be quickly committed to providing the necessary treatment and supporting strategies to effectively respond to a potential evolving event or to support the response to an actual event;

Whereas the existing local and regional medical and health infrastructure will also be compromised due to lack of adequate staff, equipment, and pharmaceutical support available due to the impacts and demands of the event;

Whereas resources from the state, federal, and private sector will be quickly mobilized to augment local and regional medical and health resources and support the effective management and distribution of the Strategic National Stockpile (SNS);

Now therefore, the parties agree as follows:

A. Definitions:

- Push Site - During a public health emergency that requires preventive medications be provided to large numbers of people, a **Push Site** is a facility within a jurisdiction that is designated to either receive medication or to pick up medication in order to provide it to a group of people who would otherwise have to travel to a point of dispensing (POD) to receive the preventive medication. Push sites must have medical or pharmacy personnel and volunteers capable of providing the preventive medications to the facility population, staff, and others as locally determined.
  - RSS Push Site – Receives medications directly from the State RSS warehouse facility.
  - Local Push Site – Picks up medications from a pre-determined site away from the general public. May receive a delivery of the medications from the initial delivery site, **IF** such delivery plans have been made by the local health department or Health Service Region.

B. Use of Facility and staff:

- In the event of a public health emergency requiring preventive medications be provided to large numbers of people within the jurisdiction where *The City of Bay City* is located, *The City of Bay City* agrees to accept designation of its facility in *Bay City, Texas* located at *2105 Ave M, Bay City, TX 77414* as a Push Site. *The City of Bay City* agrees to designation as a *Local Push Site.*

- As a *Local Push Site, The City of Bay City* agrees to use its facility, medical or pharmacy personnel, and other staff and volunteers of *The City of Bay City* to provide preventive medications to the population, staff, and others of *The City of Bay City* during a public health emergency that requires preventive medications be provided to large numbers of people in the jurisdiction where *The City of Bay City* is located. Medical or pharmacy personnel, and other staff and volunteers of *The City of Bay City* will dispense the antibiotics or provide vaccinations according to the instructions and standing delegation orders provided by the Department of State Health Services, Health Services Region [*Region Number*]. The medical authority at *The City of Bay City* may provide the standing delegation orders.

- As a Local Push Site, *The City of Bay City* agrees to send designated staff to a pre-determined location that has been agreed to by the Department of State Health Services, Health Service Region [*Region Number*] and *The City of Bay City* to pick up the SNS materials, supplies, antibiotics, and/or vaccines. *The City of Bay City* agrees to provide the Department of State Health Services, Health Services Region [*Region Number*] with names and identifying information of those staff who are designated to pick up the SNS materials, supplies, antibiotics, and/or vaccines.

- As a Local Push Site, *The City of Bay City* agrees to make arrangements to provide security escorts for their staff if appropriate and available.

- If the Department of State Health Services, Health Service Region [*Region Number*] has developed a plan for delivery of SNS materials, supplies, antibiotics, and/or vaccines from its initial delivery point to the Local Push Site, *The City of Bay City* agrees to provide the personnel and equipment necessary to unload the delivery vehicle and move the SNS materials inside its facility.

- *The City of Bay City* agrees to provide the Department of State Health Services, Health Service Region [*Region Number*] with the estimated total number of people (adults and children) who will receive preventive medications at *The City of Bay City* so that an appropriate amount of SNS material may be ordered.

- *The City of Bay City* agrees to be responsible for maintaining the physical security and integrity of the SNS materials received and to comply with the handling instructions provided by the Department of State Health Services, Health Services Region *[Region number]*.

- *The City of Bay City* agrees to return unopened, unused antibiotics and/or vaccine to the Department of State Health Services, Health Service Region [Region Number].

- *The City of Bay City* agrees to use the Health History forms provided by the Department of State Health Services, Health Services Region *[Region Number]* and to submit copies of the completed Health History forms to the Department of State Health Services, Health Services Region *[Region Number]* following the public health emergency.

- *The City of Bay City* agrees to develop a detailed plan and/or Standard Operating Guideline for providing preventive medications to its population, staff, and others during a public health emergency that requires preventive medications be provided to large numbers of people in the jurisdiction where *The City of Bay City* is located and further agrees to allow the Department of State Health Services, Health Services Region *[Region Number]* to review its plan and/or Standard Operating Guideline.

- *The City of Bay City* may open to the general public as a point of dispensing (POD) when it has completed providing preventive medications to its population, staff, and others **IF** such agreement has been pre-established with the Department of State Health Services, Health Services Region *[Region Number]* or the local health department in that jurisdiction.

C. <u>Department of State Health Services, Health Services Region *[Region Number]*:</u>

OR:

- The Department of State Health Services, Health Services Region *[Region Number]* agrees to ship preventive medications for *The City of Bay City* to the pre-designated location where staff of *The City of Bay City*, a Local Push Site, will pick up the materials, based on the apportionment and pre-determined, estimated number of people (children and adults) to receive preventive medication at *The City of Bay City*.

OR:

- The Department of State Health Services, Health Services Region *[Region Number]* agrees to deliver the SNS materials, antibiotics, and/or vaccine from the initial point where the materials were delivered, to *The City of Bay City*, a Local Push Site, **IF** plans have been developed to do so.

- The Department of State Health Services, Health Services Region *[Region Number]* agrees to provide training on mass dispensing/mass vaccination to *The City of Bay City* medical or pharmacy personnel and other staff and volunteers, prior to a public health emergency, if the training is requested.

- The Department of State Health Services, Health Services Region *[Region Number]* agrees to provide instructions and standing delegation orders to *The City of Bay City*.

- The Department of State Health Services, Health Services Region *[Region Number]* agrees to provide Health History forms to *The City of Bay City* and to accept completed Health History forms from *The City of Bay City* following the public health emergency.

- The Department of State Health Services, Health Services Region *[Region Number]* agrees to receive unopened, unused antibiotics and/or vaccine from *The City of Bay City* following the public health emergency.

D. Contact Information:

- *The City of Bay City* agrees to provide the Department of State Health Services, Health Services Region [*Region number*] with the appropriate facility 24-hour per day 7-day per week contact information, and update this information as necessary.

- The Department of State Health Services, Health Services Region [*Region number*] agrees to provide The City of Bay City with the contact information of those who are authorized to notify The City of Bay City in the event of an emergency requiring the use of The City of Bay City as a Push Site.

E. Confidentiality: To the extent allowed by the law, the Parties agree that they will not disclose this agreement and that the subject matter of this agreement is sensitive and confidential. This document is maintained by or for a governmental entity for the purpose of responding to an act of terrorism and relates to a tactical plan of governmental providers and thus should be confidential under Government Code §418.176(a)(2).

F. Duration of Agreement: The term of this MOU is five years from the date of the initial agreement. Renewal for additional one year terms shall be automatic unless one party terminates as provided in section H.

G. Program Review: A review will be conducted following a disaster event or within a six-month period after the effective date of this agreement. Any mutually agreed upon adjustments to this agreement will be made at that time. At the end of the five years, and if it is mutually desired, this agreement may be negotiated for a longer term. Any changes at the facility that may impact the execution of this agreement will be conveyed to the primary contacts to this agreement, identified below, or their designees, as soon as possible.

H. Amendments: This agreement may be amended at any time by signature approval of the parties signatory hereto, or their respective designee.

I. Termination of Agreement: Any Party may unilaterally withdraw at any time from this MOU, except as stipulated above, by transmitting a signed statement to that effect to the other Parties. This MOU and the public/private partnership created thereby shall be considered terminated thirty (30) days from the date the non-withdrawing Party actually receives the notice of withdrawal from the withdrawing Party.

J. Primary Contacts: The Parties intend that the work under this MOU shall be carried out in the most efficient manner possible. To that end, the Parties intend to designate individuals that

will serve as primary contacts between the Parties. The Parties intend that, to the maximum extent possible and unless otherwise approved by the other Party, all significant communications between the Parties shall be made through the primary contacts or their designees. The designated primary contacts for each Party are:

Department of State Health Services Health Services Region [*Region number*]	The City of Bay City
_____	_____
[*Name of Regional SNS Coordinator*] Regional SNS Coordinator [*Street Address*] [*City, State, Zip code*] [*Phone #*]	Rhonda Clegg City Secretary 1901 5th Street Bay City, Texas 77414 979.245.5311

K. **Capacity to Enter into Agreement**: The persons executing this Memorandum of Understanding on behalf of their respective entities hereby represent and warrant that they have the right, power, legal capacity, and appropriate authority to enter into this Memorandum of Understanding on behalf of the entity for which they sign.

Department of State Health Services	The City of Bay City
_____	_____
[Name of Regional Director] Regional Director, Health Services Region *[Region Number]*	Mark Bricker Title: Mayor
_____ Date	_____ Date

Matagorda County Closed POD Notification of Intent

FROM

Rhonda Clegg
City of Bay City
1901 5th Street
Bay City, TX 77414
979.245.2137

TO

Pat Curry (979) 429-6838
patcurry@co.matagorda.tx.us
and
James Woulfe (731) 394-8848
jwoulfe@bio-defensenetwork.com

Employees covered:	165
Others Covered:	65
Family Members:	500
Total Covered:	**830**

Describe Others: (Contractors, Residents, Tenants, Students, Members, etc.)

City Council members, their families and Contractors that are essential to City services--sanitation collection and services at waste water treatment plant

Closed POD Location

Street Address: 2105 Ave M
Suite/Room No.
City Bay City
State/Zip Texas 77414

Delivery will be made to locations over 10,000 people covered by this program. Locations under 10,000 will be provided an address from which to pick up medications and supplies at time of activation.

Contact Information — Primary Contact

First Name	Rhonda	Work Phone:	979.245.5311
Last Name	Clegg	Home Phone:	
Work E-mail	rclegg@cityofbaycity.org	Cell Phone:	979.318.0624
Personal E-mail		Fax Phone:	

Contact Information — Alternate Contact

First Name	Joan	Work Phone:	979.245.5311
Last Name	Perez	Home Phone:	
Work E-mail	jperez@cityofbaycity.org	Cell Phone:	
Personal E-mail		Fax Phone:	

Contact Information — Second Alternate Contact

First Name	Barry	Work Phone:	979.245.2322
Last Name	Calhoun	Home Phone:	979.453.1900
Work E-mail	bcalhoun@cityofbaycity.org	Cell Phone:	979.943.8462
Personal E-mail		Fax Phone:	979.323.1672

This information is submitted for the sole purpose of partnering with the above jurisdiction by entering into a voluntary Memorandum of Understanding to become a Closed POD.

PRINT NAME Rhonda Clegg
COMPANY NAME City of Bay City
TITLE City Secretary
DATE 2/15/2015

* Families are automatically included in this program. An average of three dependents are assumed for each employee or other persons that is covered under this program.

** Companies should plan to pick medication up during an activation or exercise. However, County may be able to deliver medicine, and therefore wants details on where it would be delivered at time of event.

Bio-Defense Network

TEXAS Department of State Health Services

Protect your Workforce During
A Public Health Emergency
Through a Partnership with Matagorda County

Matagorda County Office of Emergency Management

Harlan Dolgin
James Woulfe
Bio-Defense Network

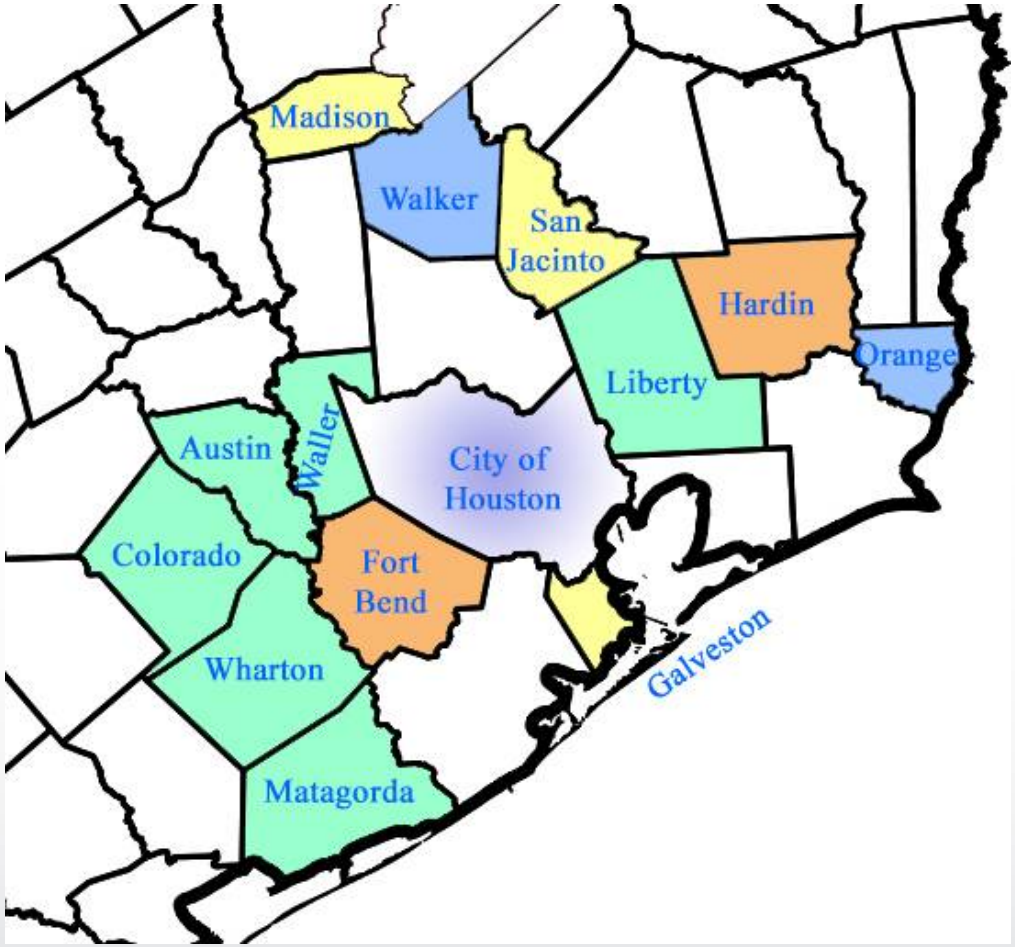
Introductions

- Matagorda County
- Attendees
  - Name
  - Organization or Business
- Bio-Defense Network

Becoming a Partner

- Learn about this free program with your health department
- Protect your business, school or organization
- Protect your employees, members, students, volunteers and their families
- Partner with Matagorda County to become a Closed Point of Dispensing (POD) in the event of a public health emergency
- Receive predetermined amount of medication from health department
- Distribute medication (pills/antibiotics) to YOUR people
- Regional approach with 14 jurisdictions

Houston Jurisdictional Map



What is a Public Health Emergency?

An event with health consequences whose scale, timing, or unpredictability threatens to overwhelm routine capabilities.

Can be naturally occurring or intentional, including:

- **Anthrax**
- **Tularemia**
- **Plague**
- **Small Pox**
- **Pandemic Diseases**
- **Ebola**

Public Health Emergency Preparedness

- Lead initiative for health preparedness
- Paid for by Federal & State Funding
- Emphasis on aerosolized Anthrax threat, but beneficial to all continuity planning
- **<u>CDC Recommendation:</u> Dispense medical countermeasures within 48 hours to 100% of the community by local health department.**

Anthrax Incidents

1979 – Sverdlusk, Russia

Leak at Weaponized Anthrax plant

77 became ill, 68 of those died

2001 – Amerithrax (Anthrax)

September –

Florida – 1 dead

NYC – 9 infected

October –

Washington DC – 4 infected, 2 died

NJ – 4 infected

Others – 4 infected, 2 died

2014 – Ricin

Georgetown University dorm

Consider this…

"Any community that **fails to prepare** with the expectation that the federal government will, at the last moment, be able to come to the rescue **will be tragically wrong.**"

Michael Leavitt, Secretary

U.S. Department of Health and Human Services
February 2006

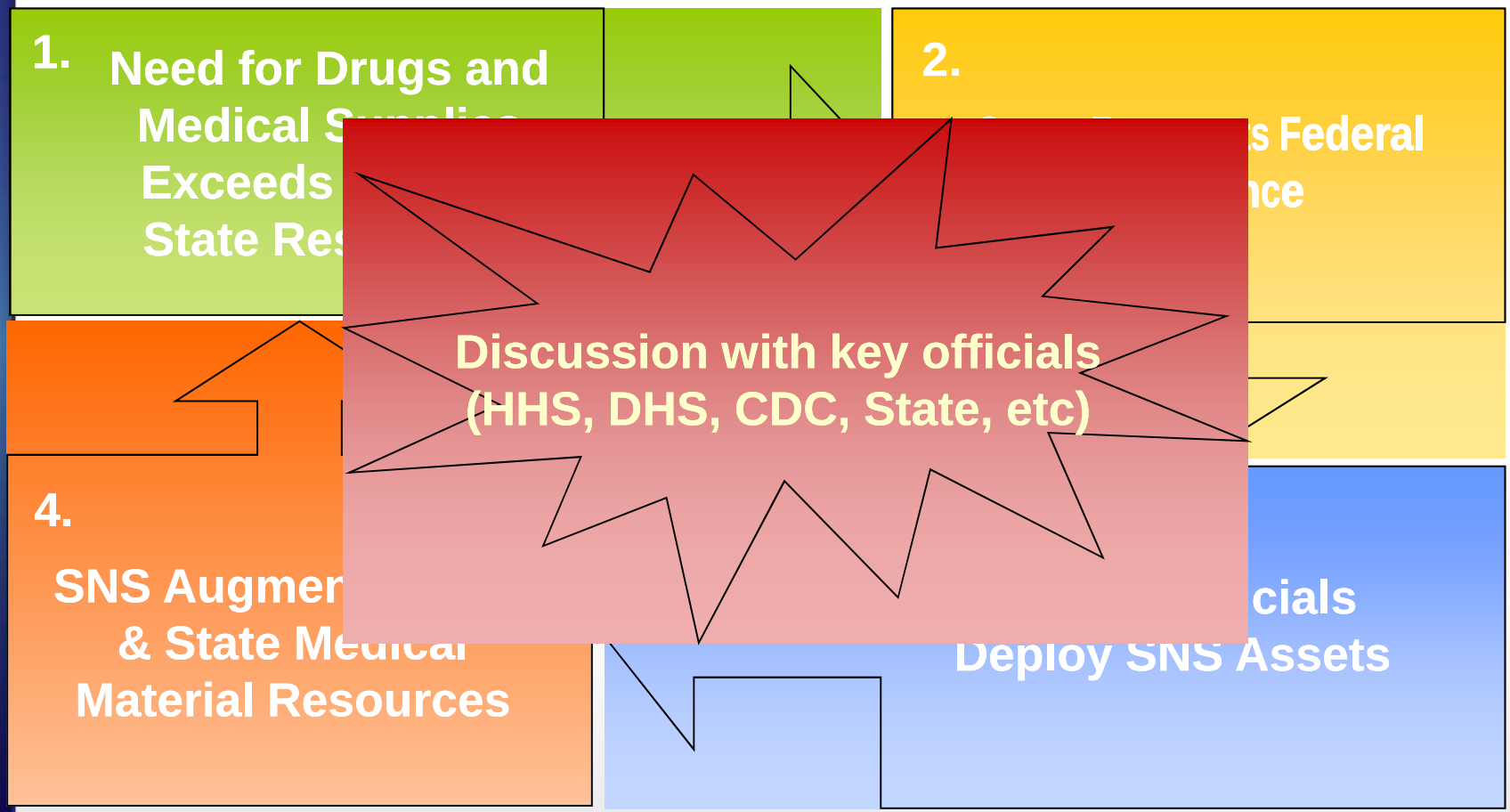
Strategic National Stockpile (SNS)

- **Mission:** To provide lifesaving pharmaceuticals and medical supplies in the event of a natural disaster, chemical or bioterrorism attack in order to reduce morbidity and mortality.
- Program overview
- Owned and operated by the Centers for Disease Control and Prevention (CDC)
- 12 hour push packs

SNS Contents

Antibiotics
Chemical antidotes
Vaccines
Anti-virals
Antitoxins
Life-support medications
Intravenous administration supplies
Airway maintenance supplies
Medical/surgical items
Items for radiation burns and blast
Wound care supplies
Diagnostics / testing equipment

Requesting SNS Materials



How Medication is Distributed

- Medical standing order will be initiated
- Open and Closed PODs will be activated
- Medication will be picked up or delivered based on partnership agreement (MOU)
- Closed PODs will open to employees, staff, students, patients (predetermined population). Employees and others will take meds to their families
- Open PODs will open to the public, staffed by Health Department and volunteers

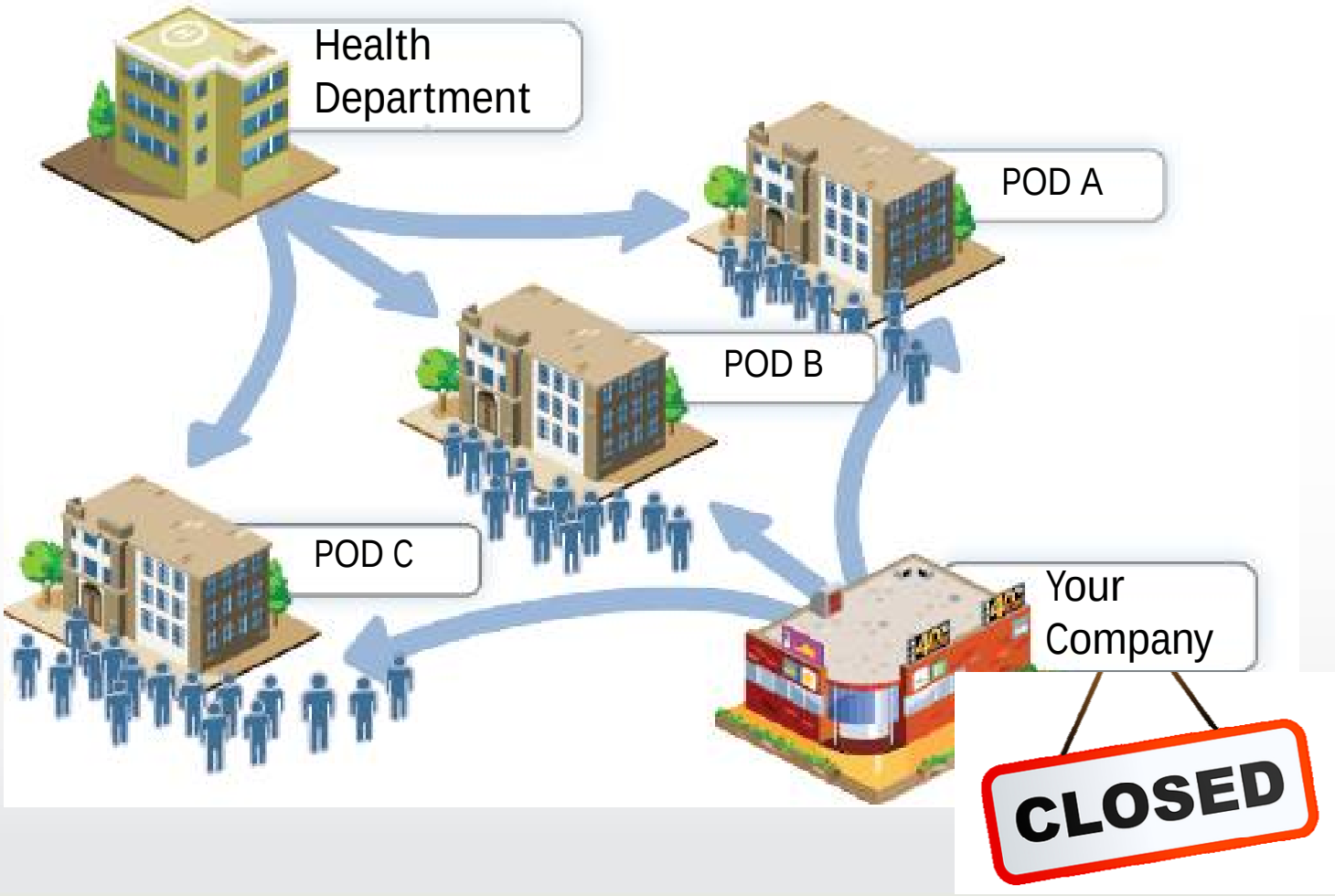
What is a POD?

What is a POD?

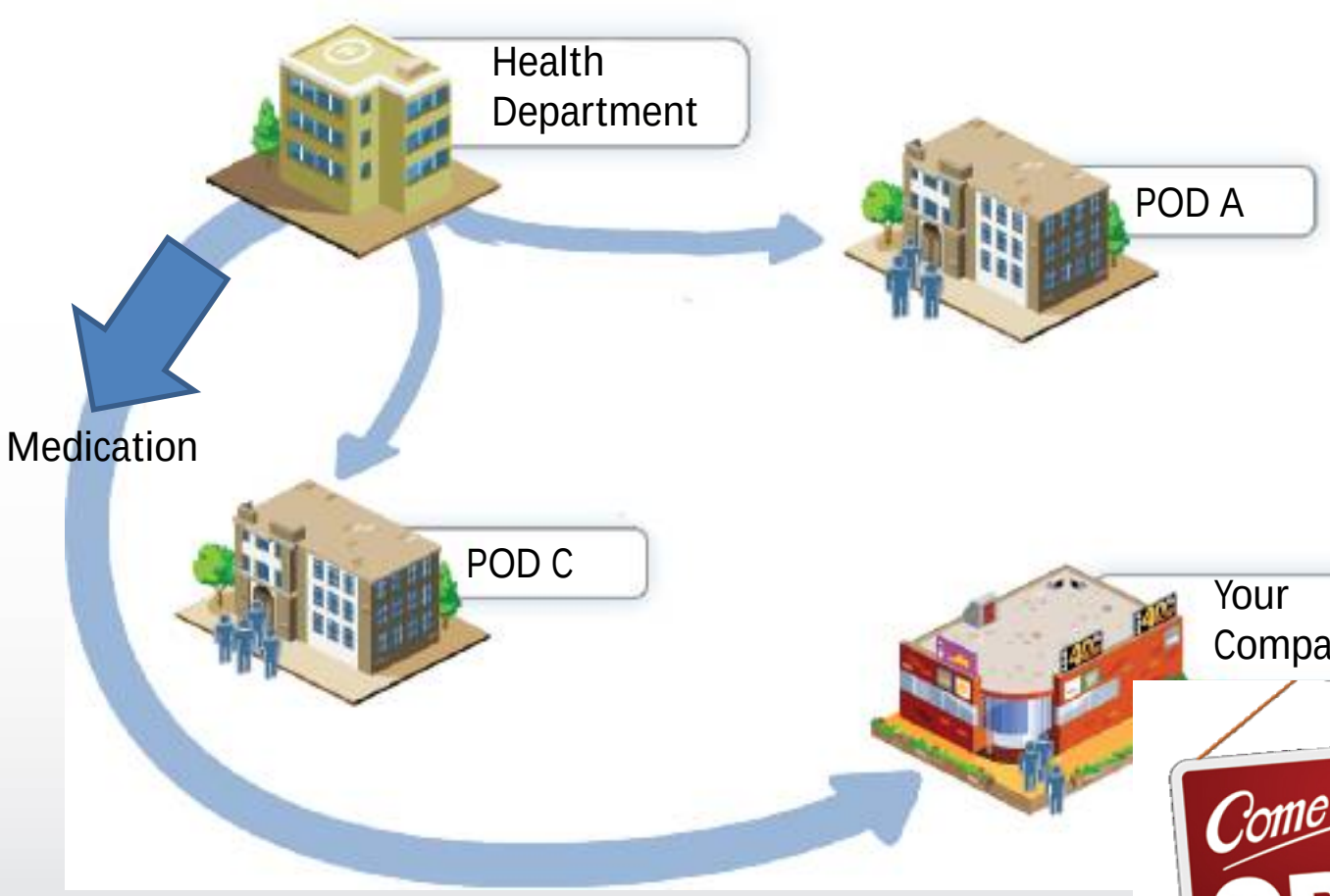
- Point Of Dispensing
- Method of distributing life-saving medication in the event of a declared emergency
- Organized by local Public Health Department

- **Open POD:** uses staff, volunteers to run the site
  - Utilizes pre-determined large spaces (e.g. high schools).
  - Public are notified
  - Arrive, wait in long lines for medication
- **Closed POD:** medication distributed by businesses and organizations to their staff, families, others

Open PODs Only



Closed PODs Will Help



Bio-Defense Network Initiatives

- **Mission:** To advance workplace and organizational preparedness for bioterrorism & pandemic threats
- **Role**: To help establish network of Closed PODs to improve preparedness from coast to coast
- Working with communities since 2011
- Workplace POD initiatives:

  NY – Oswego, Madison, Tompkins and Cayuga Counties

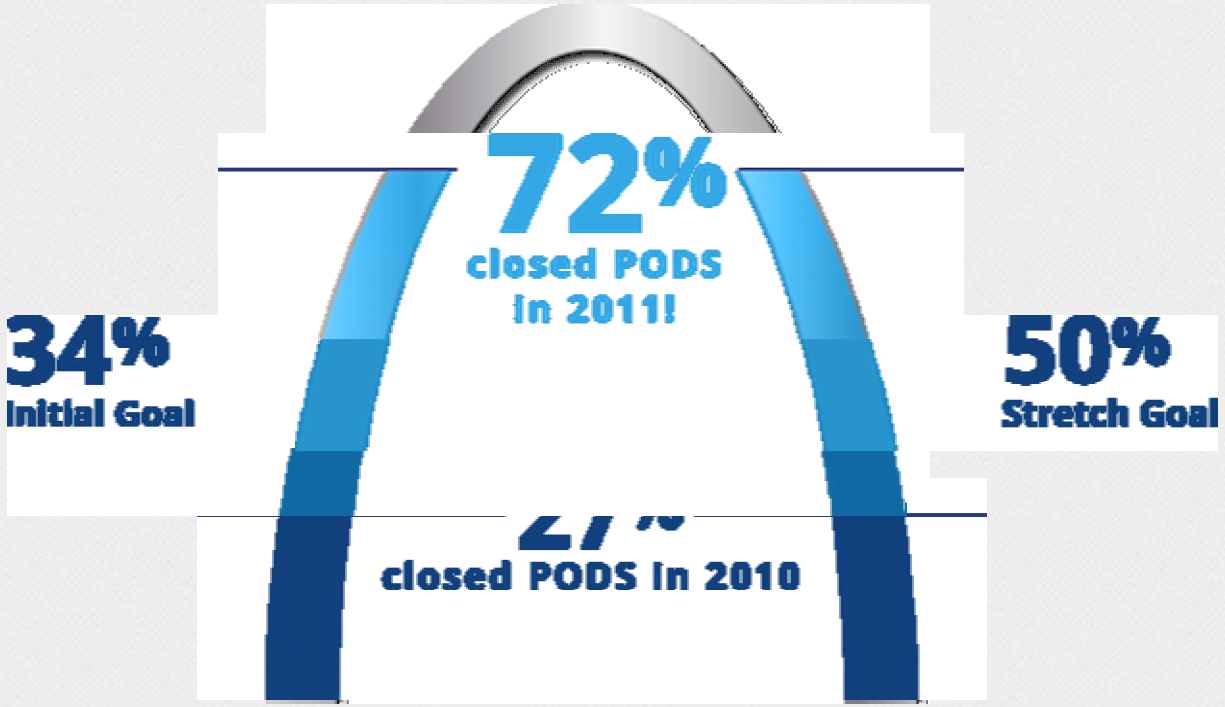
  MO - St. Louis County and Independence

  TX – Dallas, Austin/Travis, Bell Counties; Houston MSA

  CA – Butte County

  WA – Seattle (King/Snohomish/Pierce Counties)

St. Louis 2011 By the Numbers



Bio-Defense Network

Impact on St. Louis' Preparedness

Before Project:

- 15-20 Open PODs planned
- 3,000 – 4,000 total volunteers needed

After Project:

- Only 7-8 Open PODs needed
- 1,400 – 1,600 total volunteers needed

Benefits of Participation

- Life saving medication when you need it most
- No cost – even medication is free
- Protect your most important asset, your workforce, contractors and other groups **and their families**
- Remain open during emergencies
- Peace of mind for employees and their families (employee benefit)
- Reinforces your Business Continuity or Continuity of Operations Planning (COOP) program

How much does this cost?

- No cost to enroll
- No cost for medications

What's My Liability?

- NONE!
- PREP Act of 2005 protects all participants during SNS activation

Public Readiness and Emergency Preparedness (PREP) Act

- Enacted to alleviate liability concerns
- Authorizes the Secretary of HHS to issue a declaration providing immunity from tort liability. Only exception: willful misconduct
- Different from, and (mostly) independent of, other emergency declarations

PREP Act (2005)

- Manufacturers
- Distributors
- **Program Planners**
- "Qualified persons" (i.e. licensed)
- The United States
- Officials, agents, and employees of any of the above

PREP Act (2005)

- **Program Planners**
  - State of local government agency (includes tribes)
  - State or local government employee
  - **Or other person (private sector employer or community group)**

Who….

PREP Act - Program Planners

- Supervises or **administers a program to** administer, **dispense, distribute,** provide, or use **a countermeasure,** including persons who:
  - Establish requirements
  - Provide policy guidance
  - Supply technical or scientific advice or assistance
  - **Provide a facility**

Project Goals
Matagorda County

- Total population of Matagorda County:
  - 36,500 people

- Initial goals of the Closed POD Program:
  - 7,000 Closed POD enrollees from organizations with 100 or more employees
  - Engage vulnerable populations (prisons, home health, long term care) regardless of population

Matagorda County Program Requirements

- Concentrated workforce in Matagorda County
- Willing to deliver > 400 courses per site to Closed PODs. Courses may be medication for:
  - Employees
  - Household members (average of 3 per employee)
  - Tenants/Contractors/Students/Residents/Patients
  - Household members of the above
- You decide who you want to cover

Next Steps

- Take materials back to your organization to build corporate support & gain commitment
- Estimate number of courses needed to cover employees, families and others (members, students, patients, etc.)
- Identify company contacts for program and activations
- Assemble workgroup to develop your plan with assistance from County.

Notice of Intent

- Non-binding
- Closed POD address & Delivery Address
- Number of Employees & Others
- 3 Company Contacts
- Signature of Company Representative

Key Dates

- Notification of Intent to James Woulfe **by Feb 15, 2015.**
- Return signed MOU **by April 15, 2015**

Contact James Woulfe with any questions

jwoulfe@bio-defensenetwork.com

Resources Available

- Electronic Version of this presentation
- PREP Act Presentation
- Sample Closed POD Handbook
- NOI
- MOU

Bio-Defense Network

Questions

James Woulfe, Bio-Defense Network
jwoulfe@bio-defensenetwork.com
(731) 394-8848

Pat Curry, Matagorda County
patcurry@co.matagorda.tx.us
(979) 323-0707

City Council
1901 5Th Street
Bay City, TX 77414

SCHEDULED

Meeting: 03/26/15 07:00 PM
Department: Public Works
Category: Report
Prepared By: Barry Calhoun
Initiator: Barry Calhoun
Sponsors:
DOC ID: 1838

DISCUSSION ITEM (ID # 1838)

PROVIDE AN UPDATE ON SIEMENS PROJECT AND THE STATUS OF COMPLIANCE WITH THEIR PERFORMANCE GUARANTEE FOR THE COST REDUCTION AND NEW REVENUE GENERATION PROJECT COMPLETED IN 2013.

SIEMENS

Infrastructure & Cities
Building Performance & Sustainability

City of Bay City

Year 1 Annual Savings Report
September 2013 – August 2014

Submitted by:
Siemens Industry, Inc.
Building Performance and Sustainability Division
8850 Fallbrook
Houston, TX 77064

November 2014

Answer for Infrastructure.

SIEMENS

Infrastructure & Cities
Building Performance & Sustainability

Energy Performance Contract Performance Assurance Overview

Client:	City of Bay City
Contact:	Barry Calhoun, Director of Public Works
Contract Date:	April 2012
Performance Period:	September 1, 2013 – August 31, 2028
Reporting Period:	Year 1, 09/01/13 – 08/31/14
Contract Term:	15 Years

SIEMENS

Infrastructure & Cities
Building Performance & Sustainability

Table of Contents

1.0 Executive Summary

Siemens Industry, Inc., Building Performance & Sustainability Division (Siemens) is pleased to provide the City of Bay City with the Year 1 Annual Savings Report. The information presented in this report represents the guarantee period starting September 1, 2013 through August 31, 2014.

Siemens began implementing the detailed measures of this report in May 2012, and all construction was completed by August 21, 2013. We are proud to present to you the Year 1 savings which demonstrate a very successful year. During Year 1 the City of Bay City was able to realize utility cost reductions totaling **$781,293**. The savings exceed the contractual guarantee by **$69,020 or 10%.**

The exceeded results are evidence of the successful partnership formed between the City of Bay City staff and Siemens. We will continue working very closely with the City of Bay City personnel to fine tune and enhance the operational efficiency of the systems installed to ensure:

- All guaranteed savings are being achieved;
- The operating strategy is being fully utilized to achieve maximum results; and the City of Bay City's investment in infrastructure is protected.

As we have stated before, Siemens will continue to monitor the performance of all systems installed. Reviews of logged performance data will allow Siemens to identify operational problems and make recommendations to improve the City of Bay City's operations. Additionally, annual onsite meetings with the City of Bay City staff will ensure consistent communications and provide a good opportunity to discuss issues as they arise.

Siemens still believes that we have put the best program in place to cost-effectively achieve energy reductions by today's standards. Our service personnel continue to improve and enhance the WWTP Aeration system to ensure the best possible benefit of the blower and aeration controls. As an on-going benefit of an energy program such as ours, we are always looking for additional energy saving opportunities that are often discovered after project implementation to further minimize energy and operating costs.

We look forward to a strong partnership with the City of Bay City in order to maintain the performance of this project in Year 2 as well.

Sincerely,

The Siemens Performance Assurance Team

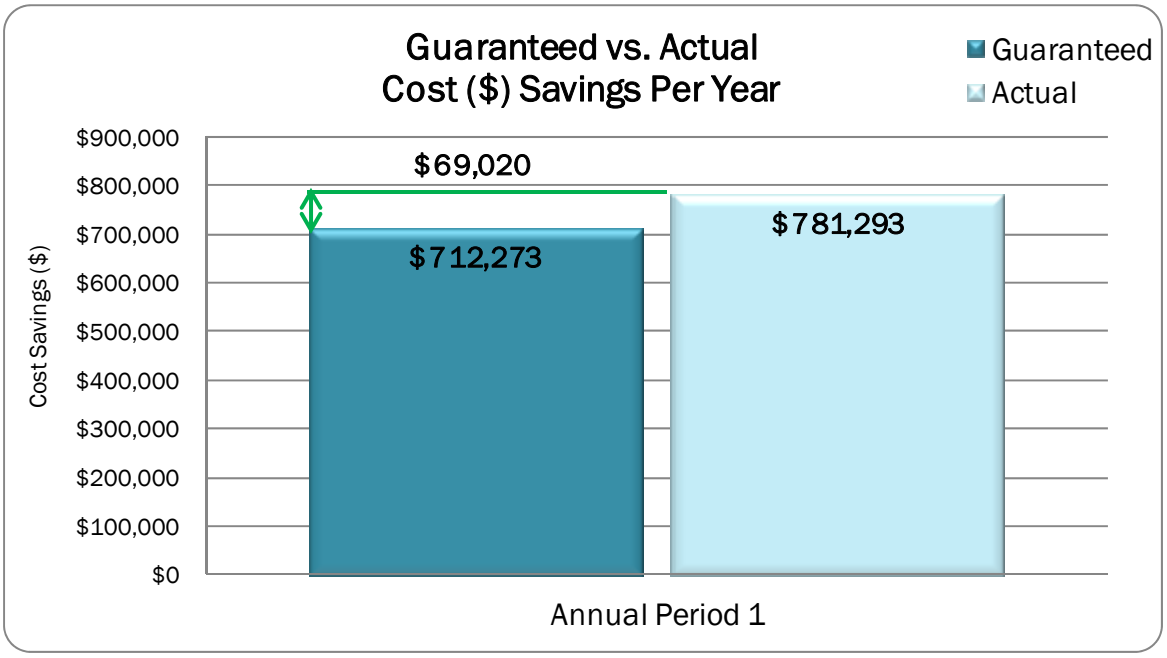
2.0 Annual Savings Results

2.1 Achieved Cost Savings

Your Energy Performance Contract with Siemens expects $712,273 in Annual Energy & Operational Savings for the First Annual Period. The Achieved Annual Savings amounts to $781,293, which is a savings excess of $69,020. **Table 2.1** and **Graph 1** summarize contract results:

Table 2.1 – Annual Cost ($) Savings Summary

Performance Period	Guaranteed Savings ($)	Actual Savings ($)	Variance ($)
Year 1	$712,273	$781,293	$69,020



Graph 1 – Savings Comparison

2.2 Cost Savings Summary by FIM

Table 2.2 displays annual cost savings based on the specific facility improvement measures that were implemented as part of the City of Bay City Energy Performance Contract.

Table 2.2 – Measurement & Verification Report Cost ($) Savings Summary

FIM Name	Guarantee Option[1]	Actual Energy Savings	Operational Savings	Total Actual Savings	Guaranteed Savings	Variance
Water Meter System Upgrade	A	$235,263	$148,952	$384,215	$350,365	$33,850
Blower & Aeration Efficiency Improvements	A	$193,076	$0	$193,076	$173,988	$19,088
Headworks Rehabilitation	A	$0	$17,280	$17,280	$17,280	$0
FloTrend Drying Dumpsters	A	$0	$43,680	$43,680	$43,680	$0
Non-Potable Water Source & Weir Cleaner	A	$16,419	$7,280	$23,699	$22,059	$1,640
Lift Station SCADA Monitoring System	A	$0	$36,400	$36,400	$36,400	$0
Lighting Efficiency Improvements	A	$70,676	$5,821	$76,497	$62,650	$13,847
Domestic Water Improvements	A	$4,119	$0	$4,119	$3,756	$363
Irrigation Upgrades	A	$2,328	$0	$2,328	$2,095	$233
Totals		**$521,880**	**$259,413**	**$781,293**	**$712,273**	**$69,020**

1 – Guarantee Option – All FIMs use IPMVP Option A, Key Parameter Measurement. Option A utilizes Pre-Post measurements to measure energy savings.

2.3 Achieved Usage Savings

Table 2.3 is a reflection of the annual project usage savings associated with each utility.

Table 2.3 - Annual Usage Savings Summary

Guarantee Year	Electric (kWh)	Electric (kW)	Natural Gas (MCF)	Water (kgal)	Sewer (kgal)	Increased Billa Water & Wastewater (k
Guaranteed Savings	1,904,503	1,356	0	15,658	264	26,624
Year 1	2,145,408	1,407	0	17,397	294	61,896
Variance	240,905	51	0	1,739	30	35,272

3.0 Environmental Impact

In addition to providing energy and other cost-avoidance which allows for equipment upgrades to be funded, the reduction in energy consumption from the Facility Improvement Measures (FIM) reduces the release of polluting emissions into the atmosphere. This helps the City of Bay City reduce their overall carbon footprint and be a "green neighbor", supporting a better and healthier environment. In this first annual period of the Energy Performance Contract with Siemens, the City of Bay City has reduced its electric consumption by **2,145,408 kWh**. These energy savings resulted in the following polluting emissions reductions: **2,499,493 pounds** of greenhouse gas producing CO_2, **1,504 pounds** of acid rain producing SO_2, and **1,321 pounds** of smog producing NO_X. **Figure 1** below summarizes the emissions reductions for the City of Bay City project.

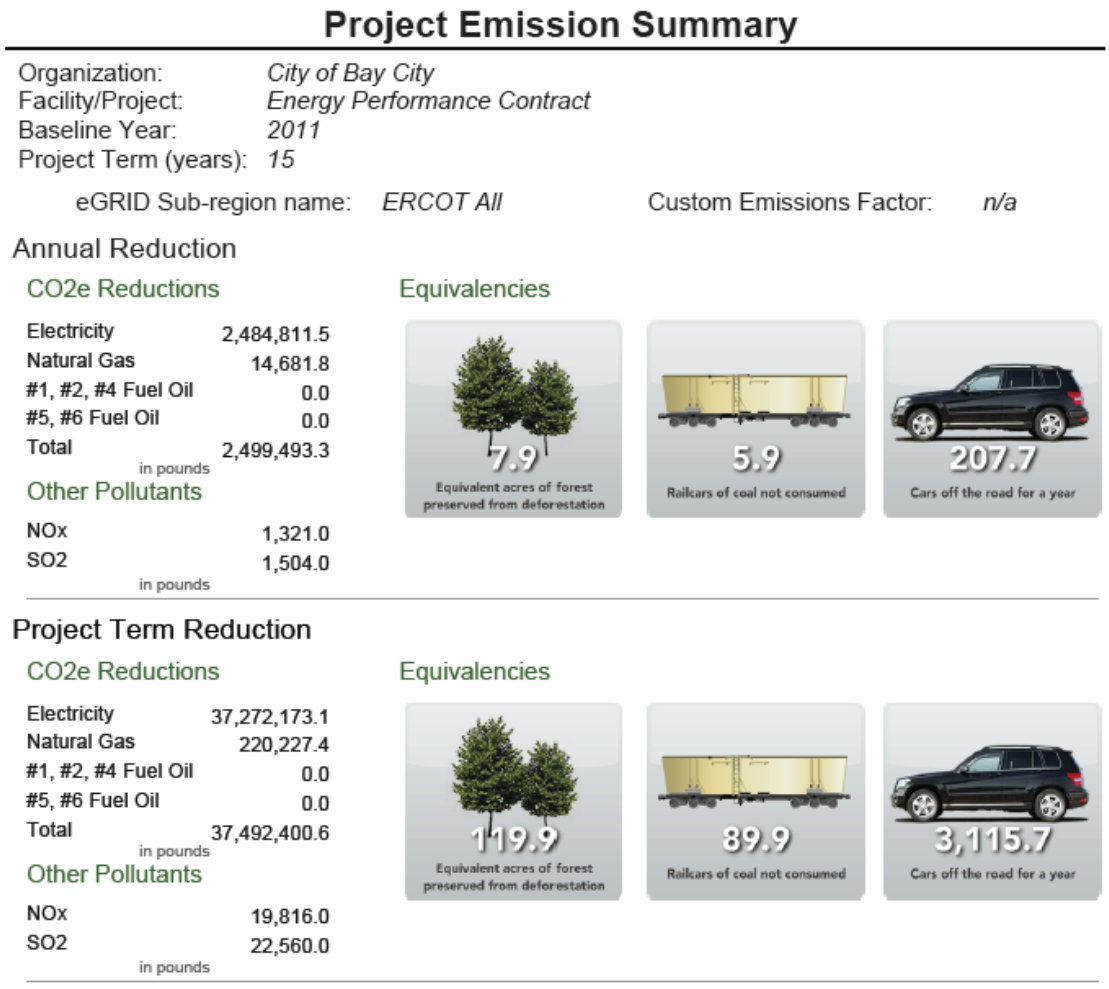


Figure 1 - Project Emission Summary

4.0 FIM Descriptions & Savings Breakdown by FIM

4.1 FIM Descriptions

4.1.1 FIM #1: Water Meter System Upgrade

The fundamental principle behind the Water Meter System Upgrade FIM is the fact that observable decline in measurement efficiency of a water meter is predictable over time. Also, factors affecting this decline are measurable and repeatable.

The major factors influencing decline in meter measurement accuracy are cumulative quantity of water measured through the meter over its service life, and the quality of the metered water. Meter age is also a factor contributing to meter accuracy decline, but it is a secondary factor to the two factors mentioned above.

This FIM involved replacing some of the existing water meters throughout the City with new, high accuracy water meters in order to increase the billable water and sewer revenues for the City.

The overall benefits of implementing this FIM are:

- Revenue enhancement to the municipal water authority
- Operational cost savings
- Cost avoidance of future meter failure
- More accurate billing
- Recovered revenue
- Fairness (new water customers do not bear the higher proportion of costs)
- Risk reduction/persistence of revenue
- Reduction in labor requirements
- Financial solution to funding issues

Additionally, a fixed-based Automatic Metering Infrastructure (AMI) system was implemented to allow the City to take multiple meter readings simultaneously, remotely, and to various levels of automation; therefore, reducing additional costs associated with reading meters.

Table 4.1 shows the accuracy results of the Year 1 meter testing that was performed on April 28, 2014. All meters tested above the guaranteed meter accuracy of 98.5%.

Table 4.1 - Year 1 Meter Accuracy Results

Account#	Address	Meter Size	Meter#	Meter Accuracy
30-148000-05	911 AVE H	5/8	92579047	99.6%
20-091250-03	5 PHEASANT RUN	5/8	92580858	100.4%
12-315000-01	2808 AVE J	5/8	92577736	99.7%
01-071000-00	2822 7TH ST	5/8	92576363	98.7%
18-114000-03	1816 SVETLIK	5/8	92580203	98.9%
21-352000-09	2212 RUGELEY	5/8	92581328	99.6%
30-079000-06	1117 AVE I	5/8	92579266	100.3%
07-113000-04	1500 AVE I	5/8	92575789	99.6%
58-000400-01	3225 EL CAMINO	5/8	92580312	98.7%
11-160000-01	2101 AUSTIN	1	52640934	100.4%
42-895100-07	1909 HAMMAN RD OFFIC	2	60795209	99.9%

Annual Inspection Photos

Figure 2: 2" Compound Water Meters

Figure 3: Radio Transmitter Attached to a Water Meter

Figure 4: Fixed Base Data Collection Unit Installed on SCADA Tower at the WWTP

4.1.2 FIM #2: Blower & Aeration Efficiency Improvements

The processing of municipal wastewater is one of the single most costly utility expenditures of any city. This is due to the fact that this process requires significant power consuming equipment and continuous operation. Much of the process power is in the aeration system and can be reduced by converting coarse bubble aeration to a fine bubble system. In processing wastewater with fine bubbles, less air is required to aerate wastewater because smaller bubbles have higher surface contact area per unit volume of air with wastewater than coarse bubbles. Less air equates to less pumping of air and less energy consumed. Often times, aeration energy can be reduced by 50%.

The energy savings generated by this FIM were realized by displacing the use of five 200 hp blowers with one new high efficiency blower for most of the year at WWTP. The aeration system was replaced with fine bubble diffusers in the basin. Dissolved oxygen level was used to control the volume of air produced by the aeration blowers. To verify the energy savings, the pre-retrofit kWh was compared to the post-retrofit kWh.

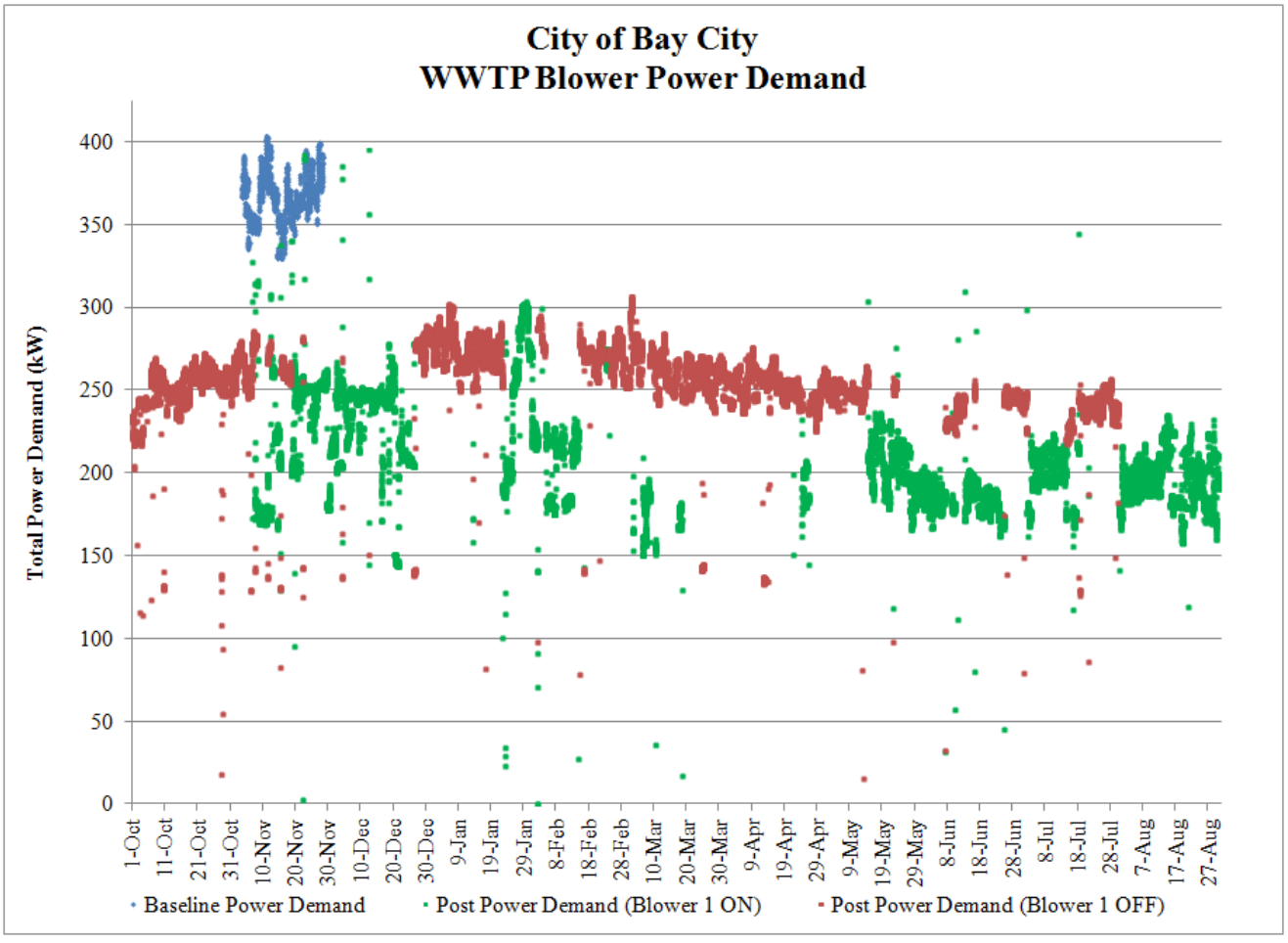
During this first reporting year, several issues with the new blower were reported to Siemens. As of March 2014, most of the blower issues had been resolved. **Table 4.2** below summarizes the blower issues and resolutions. Because of the numerous issues with the new blower and as a show of good faith, Siemens extended the City's blower warranty for six months. The new warranty expiration date is February 2015.

Table 4.2 – City of Bay City New Blower Issues and Resolutions

Date Issue Reported to Siemens	Issue	Diagnosis	Resolution	Date Blower is operational
9/24/2013	Blower is surging	Causing IGVs and VDs hunting	Changed program added dead bands to IGVs and VDs	10/9/2013
10/30/2013	Blower is surging	Causing IGVs and VDs hunting. PRC 4 algorythm checked for errors, none found.	Changed program and widened dead bands and slowed down VDs actuator to correct overshooting.	11/5/2013
11/15/2013	Blower is surging	Root cause isolated. At higher pressures the discharge pressure transmitter signal to PLC fluctuated, causing the VDs to move and the IGVs to follow.	Added discharge pressure averaging in PRC 4 control of 100 samples every 10ms. Remove dead band and previous program changes. Checked field wiring.	11/18/2013
12/26/2013	Blower would not decrease capacity and VDs not moving	Due to Holidays, site wanted to address after the Holidays. VD reversing starter jammed (potential cause for previous pressure fluctuations.)	New reversing starter installed. Also, local technicial engaged to enable faster response to issues.	1/21/2014
2/18/2014	Blower is surging	Site contacted on 18th. Wanted to wait until after staff vacation. Site contacted on the 24th and technicial on site on the 25th. IGVs actuator not woking.	Replaced actuator, bushing, limit switch and mounting pin.	3/3/2014
3/4/2014	Inlet spool came loose (NOT A PART OF THE BLOWER)	Piping needed more support.	Inlet pipe installed. Additional support to be added soon.	3/6/2014

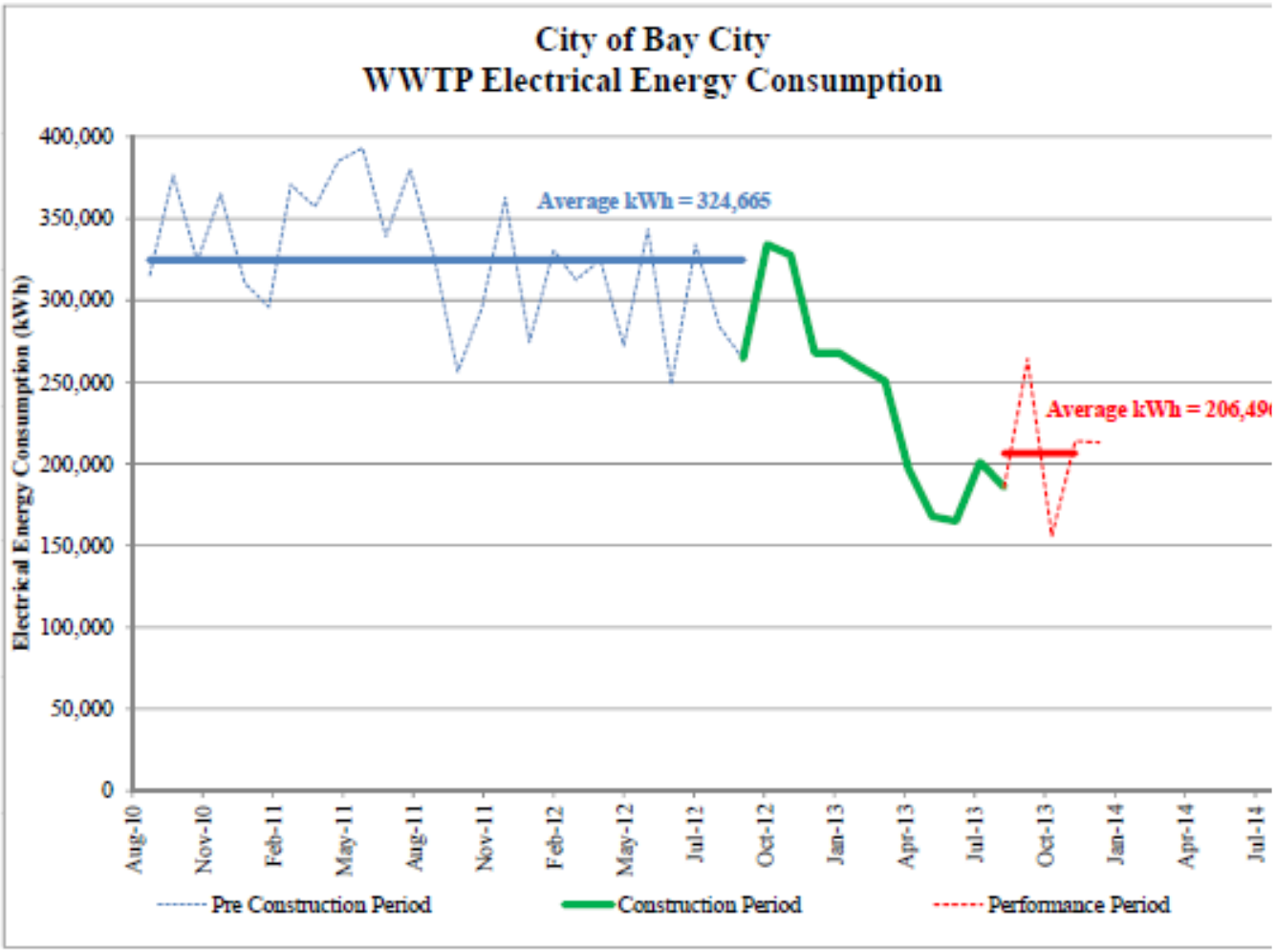
Graph 2 below shows that during the baseline period the average electric demand for the WWTP blower was approximately 375 kW. In the post-retrofit period, the average electric demand reduced to approximately 275 kW when the old blower ran and reduced even further to approximately 215 kW when the new blower ran. Installation of the fine air diffuser system contributed to the reduction in electric demand when the old blower ran during the post-retrofit period.

As of March 2014, most of the issues with the new blower had been resolved; however, **Graph 2** shows that the old blowers ran periodically even after this date. The new blower is much more efficient than the old blowers, thus it is recommended that the new blower run as much as possible to achieve the full savings potential of the Blower & Aeration Efficiency Improvements FIM.



Graph 2 – WWTP Blower Power Demand

Graph 3 below shows that during the baseline period the average electric energy consumption for the WWTP was approximately 324,665 kWh. During the construction period, the electric energy consumption continued to decrease. In the post-retrofit period, the average electric energy consumption reduced to approximately 206,496 kWh.



Graph 3 – WWTP Electrical Energy Consumption

Annual Inspection Photos

Figure 5: New 350 HP Siemens Turblex Blower

Figure 6: New 350 HP Siemens Turblex Blower (Alternate View)

Figure 7: New 350 HP Siemens Turblex Blower (Alternate View)

4.1.3 FIM #3: Headworks Rehabilitation

This FIM involved a complete rehabilitation of the WWTP headworks, which included a new mechanical step screen, associated compactor, and conveyer; new manual bar screen; new grating.

There are no energy savings through the implementation of this FIM, however there are operation savings which are based upon avoided repair costs of the screen.

Annual Inspection Photos

Figure 8: New JDV Fine Step Mechanical Head Screen (Headworks)

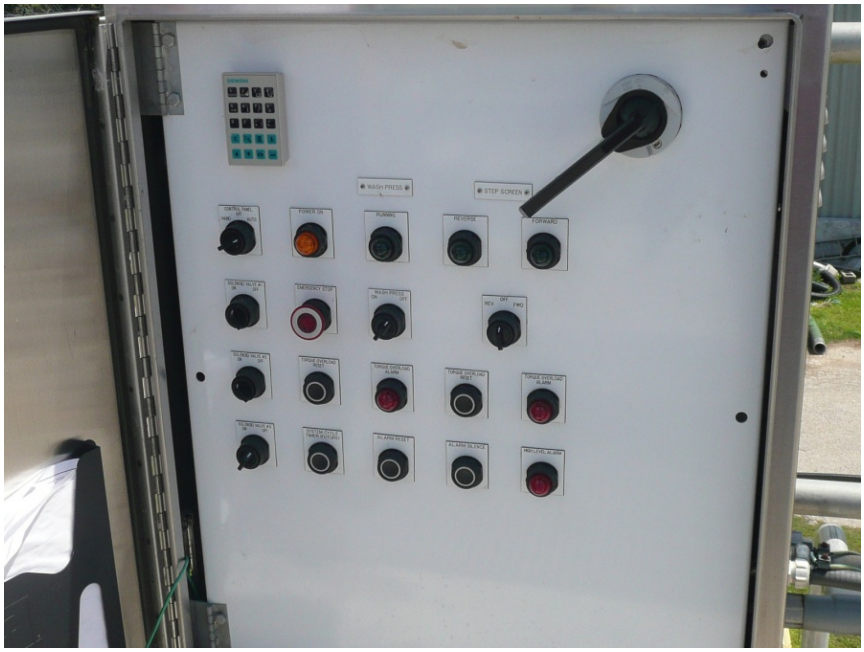


Figure 9: Control Panel for New JDV Fine Step Mechanical Screen (for Step Screen and Wash Press)

4.1.4 FIM #4: FloTrend Drying Dumpsters

This FIM involved the replacement of the drying beds in the WWTP with FloTrend drying dumpsters. Due to the amount of waste in the plant, the system required (4) 30-yard dumpsters with an appropriately size polymer injection system.

There are no energy savings through the implementation of this FIM, however there are operation savings which are based upon avoided manual labor in the drying beds.

Annual Inspection Photos

Figure 10: New FloTrend Drying Dumpsters (Red)

Figure 11: Drying Beds (Alternate View)

4.1.5 FIM #5: Non-Potable Water Source & Weir Cleaner

This FIM involved installing weir cleaners on each clarifier in the WWTP. In order to offset the cleaner water use and eliminate all other water use in the plant, a non-potable water source (NPW) was installed.

The water cost savings are equal to the existing water consumption minus that which is exhibited at the Animal Shelter. Since the NPW requires pumps to operate, the energy realized at these pumps was removed from the realized savings.

Annual Inspection Photos

Figure 12: VFD Control Panel for Two Non-Potable Water Pumps

Figure 13: Two New 15 HP Non-Potable Water Pumps with VFDs

Figure 14: Two New 15 HP Non-Potable Water Pumps with VFDs (Alternate View)

Figure 15: New Weir Cleaner

4.1.6 FIM #6: Lift Station SCADA Monitoring System

Under this FIM Siemens installed a monitoring only SCADA system in each of the twenty-six lift stations as well as a viewing station to be located in the WWTP facility. The SCADA system allows the plant operators to ensure that each lift station is functioning properly from the main WWTP.

There are no energy savings through the implementation of this FIM, however there are operation savings which are based upon the SCADA system eliminating the need for drive by inspections of the lift stations as well as monthly inspections for run-time logs.

Waste Water Treatment Plant

Figure 16: SCADA System Control Panel

4.1.7 FIM #7: Lighting Efficiency Improvements

This FIM increased lighting energy efficiency by replacing the existing lamps and ballasts with high efficiency replacements. Additional energy savings were realized by the installation of occupancy and/or daylight sensing controls thus minimizing lighting operation during times of no occupancy. Siemens implemented the following lighting efficiency upgrades at multiple facilities:

- Install photo sensors for harvesting natural light in applicable areas;
- Install dual technology occupancy sensors in select locations;
- Install specular reflectors in select locations;
- T12 and 32W T-8 fluorescent lamps were replaced with 28W T-8 fluorescent lamps;
- Magnetic ballasts were replaced with electronic ballasts;
- Retrofit incandescent fixtures with compact fluorescent kit or LED lamps;
- Replace high bay HID fixtures with high output T-5 fixtures;
- Replace older generation metal halide lamps with new pulse start metal halide lamps;

Annual Inspection Photos

Public Works Building

Figure 17: New Efficient T-8 Fluorescent Lamps (Main Office Alternate View)

Figure 18: New Dual Technology Occupancy Sensor Lamps (Office)

City Hall

Figure 19: New Efficient T-8 Fluorescent Lamps (Main Lobby)

Figure 20: New Efficient T-8 Fluorescent Lamps (Utility Office)

Figure 21: New Efficient T-8 Fluorescent Lamps (Conference Room)

Figure 22: New Efficient T-8 Fluorescent Lamps (Council Chambers Alternate View)

Civic Center

Figure 23: New Efficient T-8 Fluorescent Lamps (Banquet Room)

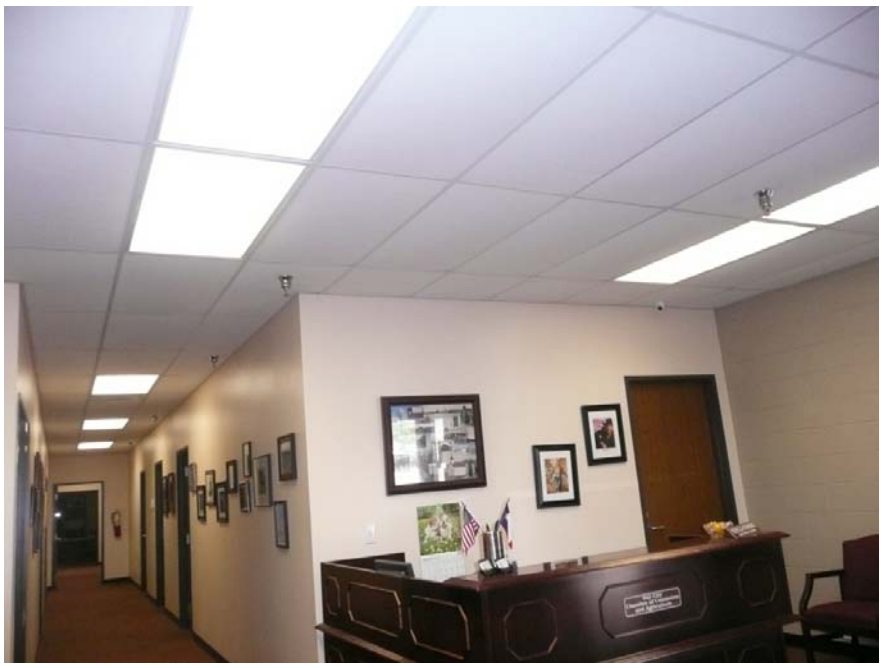


Figure 24: New Efficient T-8 Fluorescent Lamps (Chamber of Commerce & Ag Office)

Waste Water Treatment Plant

Figure 25: New Efficient T-8 Fluorescent Lamps (Conference Room)

4.1.8 FIM #8: Domestic Water Improvements

Water savings were realized by replacing existing high flow water fixtures with new low flow equipment. The replacements range in applications from lavatory aerators, urinals, and water closest, as well as, the connected flush valves.

This FIM involved retrofitting and/or replacing select water devices to achieve water savings. Reductions in water consumption further contributed to avoided sewer costs. As an added benefit with the conservation of hot water, energy savings were also realized through the heating of service water with natural gas or electricity.

Annual Inspection Photos

Public Works Building

Figure 26: New 0.5 gpm Low Flow Aerator on Faucet (Ladies Restroom)

Figure 27: New 1.6 gpf Tank Toilet (Ladies Restroom)

City Hall

Figure 28: New 1.6 gpf Tank Toilet (Ladies Restroom); Auto Flush Sensor Was Observed

Figure 29: New 1.25 gpf Flush Valve Installed on Urinal (Men's Restroom)

Figure 30: New 0.5 gpm Low Flow Aerator on Faucet (Handicap Restroom)

Civic Center

Figure 31: New 0.5 gpm Low Flow Aerator on Faucet (Ladies Restroom Alternate View)

Figure 32: New Pedal Valve Controls on Sink (Kitchen)

4.1.9 FIM #9: Irrigation Upgrades

Modern day irrigation systems provide many improvements to overall turf management and water consumption. Control systems, moistures sensors, and accurate placement of nozzles are the key to operating an efficient irrigation system. The following describes the scope of work performed at the Bay City Sports Complex

- Installation of new centralized weather-based web-enabled 24-zone smart controller (21 active zones);
- Installation of rain sensor and flow sensing meter for new controller, allowing for real time flow and local precipitation data to initiate system alerts or shut-downs;
- Installation of Watertronics 7.5 HP booster pump near existing 2" water meter for pressurization of irrigation distribution system;
- Installation of high efficiency distribution system as detailed in the design drawing located in the Appendix.

Note: Because the City turned off the irrigation controllers at the beginning of the reporting period and never returned the system to auto control, Siemens is stipulating and claiming the full guaranteed savings for this FIM for the current reporting period.

Annual Inspection Photos

Figure 33: New Centralized Weather-Based Web-Enabled Smart Controller

Figure 34: Rain Sensor and Flow Sensing Meter for New Controller

4.2 Savings Breakdown by FIM

Table 4.2 displays annual usage savings and increased billable water based on the specific facility improvement measures that were implemented as part of the City of Bay City Energy Performance Contract.

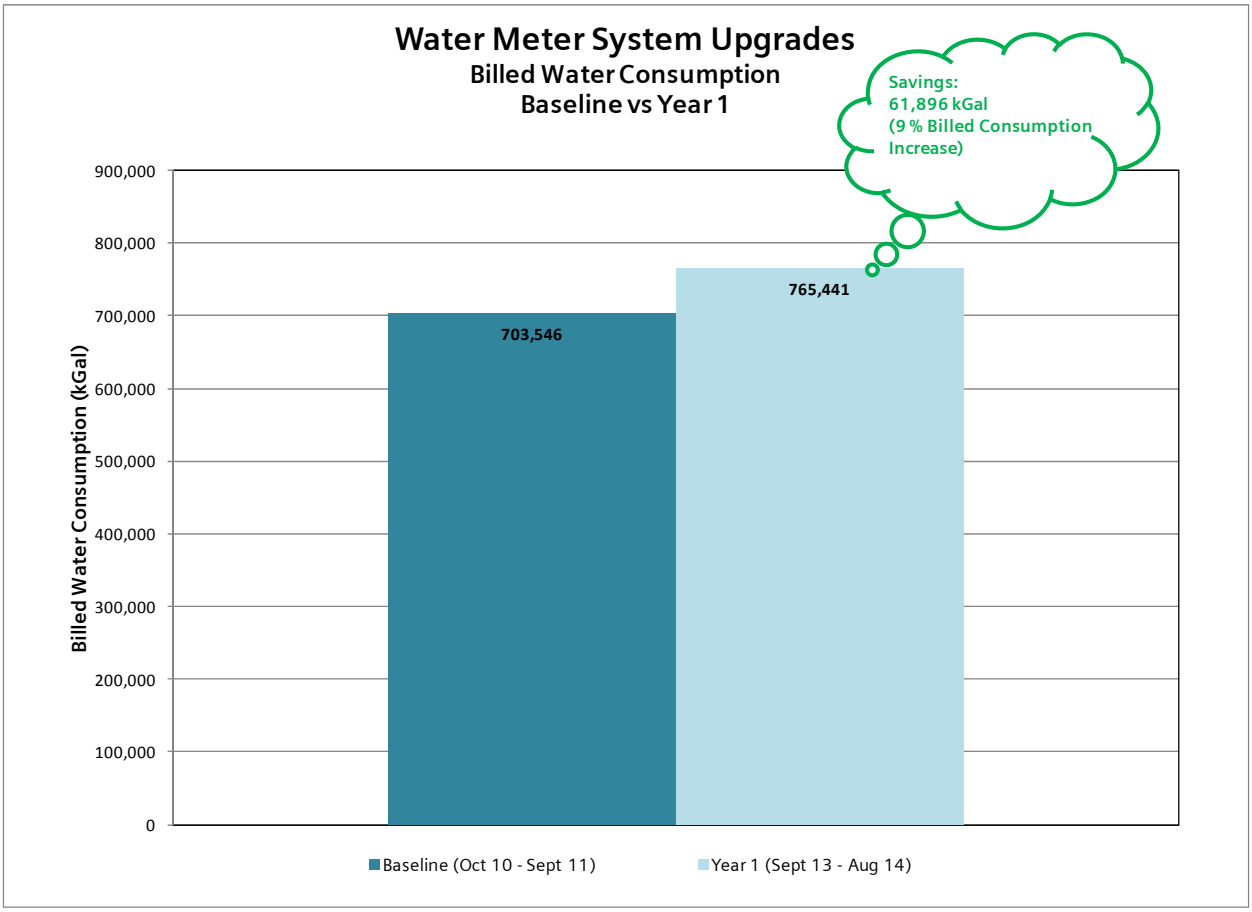
Table 4.2 – Measurement & Verification Report Usage Savings Summary

FIM Name	Guarantee Option[1]	Electric (kWh)	Electric (kW)	Natural Gas (MCF)	Water (kgal)	Sewer (kgal)	Increased Billable Water & Wastewater (kgal)
Water Meter System Upgrade	A	0	0	0	0	0	61,896
Blower & Aeration Efficiency Improvements	A	1,755,234	0	0	0	0	0
Headworks Rehabilitation	A	0	0	0	0	0	0
FloTrend Drying Dumpsters	A	0	0	0	0	0	0
Non-Potable Water Source & Weir Cleaner	A	(168,533)[2]	0	0	16,035	0	0
Lift Station SCADA Monitoring System	A	0	0	0	0	0	0
Lighting Efficiency Improvements	A	538,274	1,407	0	0	0	0
Domestic Water Improvements	A	20,433	0	0	294	294	0
Irrigation Upgrades	A	0	0	0	1,068	0	0
Totals		**2,145,408**	**1,407**	**0**	**17,397**	**294**	**61,896**

1 – Guarantee Option – All FIMs use IPMVP Option A, Key Parameter Measurement. Option A utilizes Pre-Post measurements to measure energy savings.

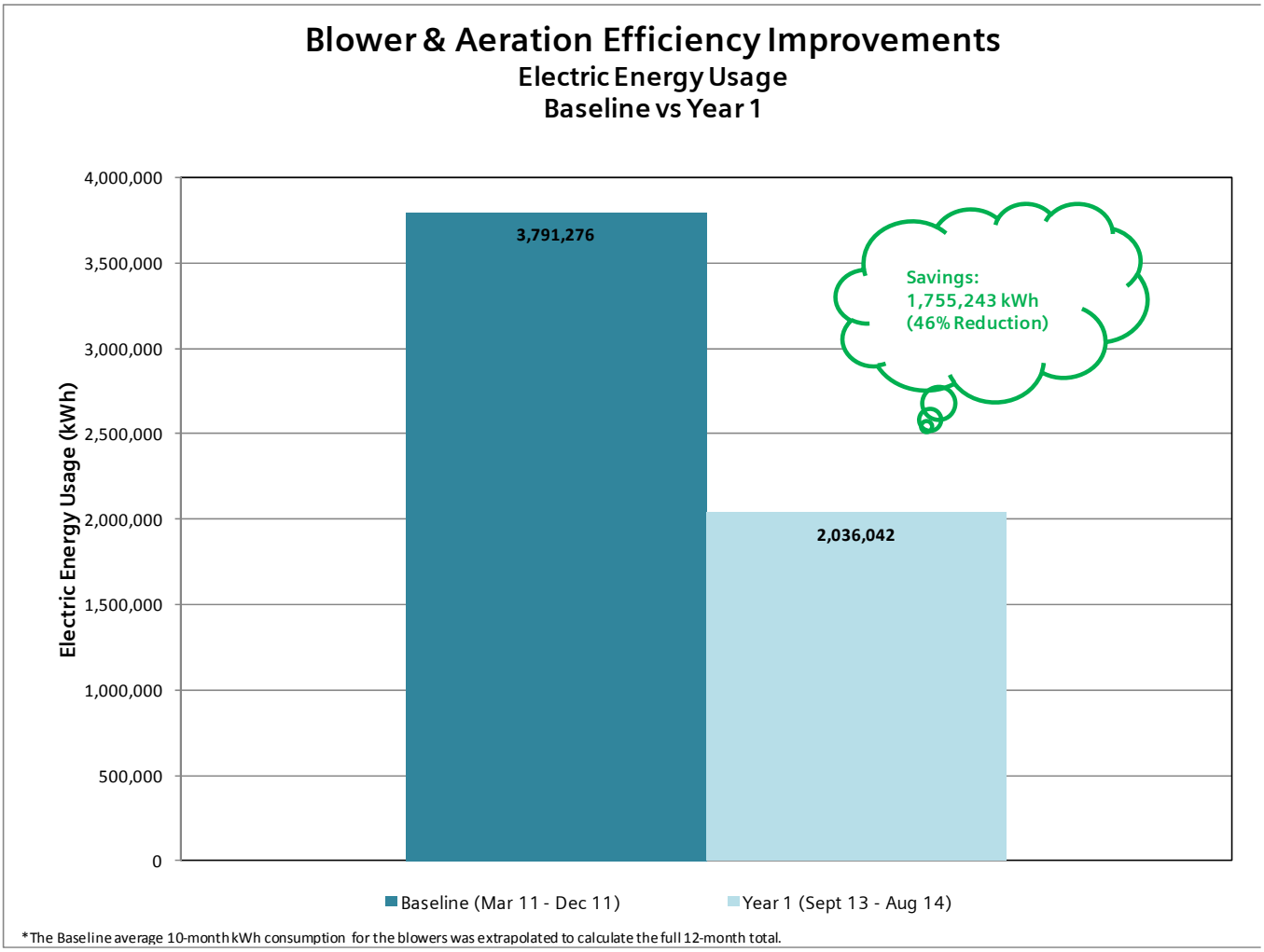
2 – For the Non-Potable Water Source & Weir Cleaner FIM the pre-retrofit electric energy consumption is zero since it did not exist. The post-retrofit electric energy consumption is the scalar product of the pump power and the annual hours of operation for each of the three pumps. Thus, the pre-retrofit electric energy consumption minus the post-retrofit electric energy consumption results in a negative electric energy savings.

Graph 4 below compares the baseline and Year 1 calculated billed water consumption for the Water Meter System Upgrades FIM. The baseline billed water consumption was increased by 61,896 kGal, which is a 9% increase, for the current reporting year.



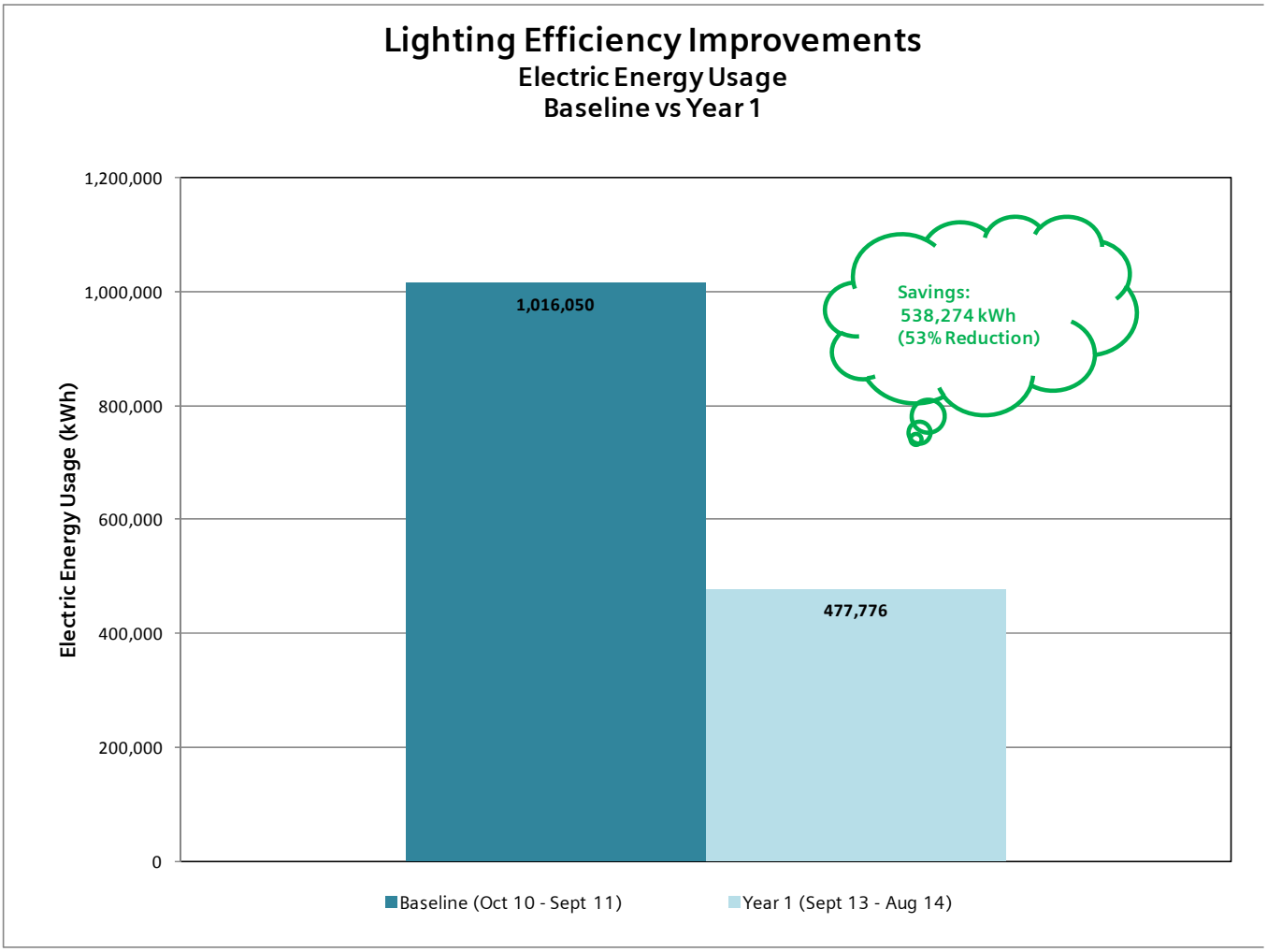
Graph 4 – Water Meter System Upgrades Billed Water Consumption Comparison

Graph 5 below compares the baseline and Year 1 measured electric energy usage for the Blower & Aeration Efficiency Improvements FIM. The baseline electric energy usage was reduced by 1,755,243 kWh, which is a 46% reduction, for the current reporting year.



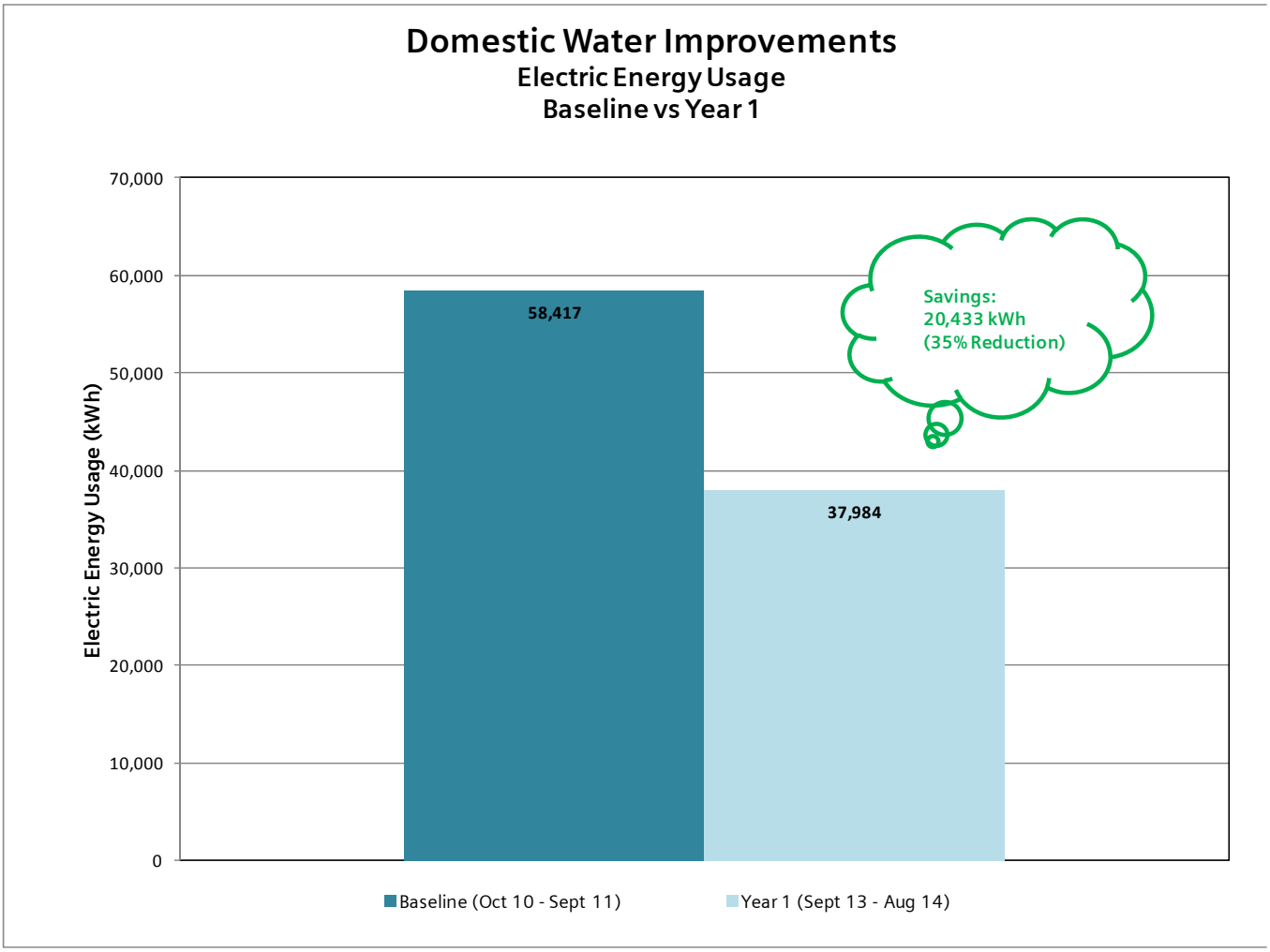
Graph 5 – Blower & Aeration Efficiency Improvements Electric Energy Usage

Graph 6 below compares the baseline and Year 1 measured electric energy usage for the Lighting Efficiency Improvements FIM. The baseline electric energy usage was reduced by 538,274 kWh, which is a 53% reduction, for the current reporting year.



Graph 6 – Lighting Efficiency Improvements Electric Energy Usage Comparison

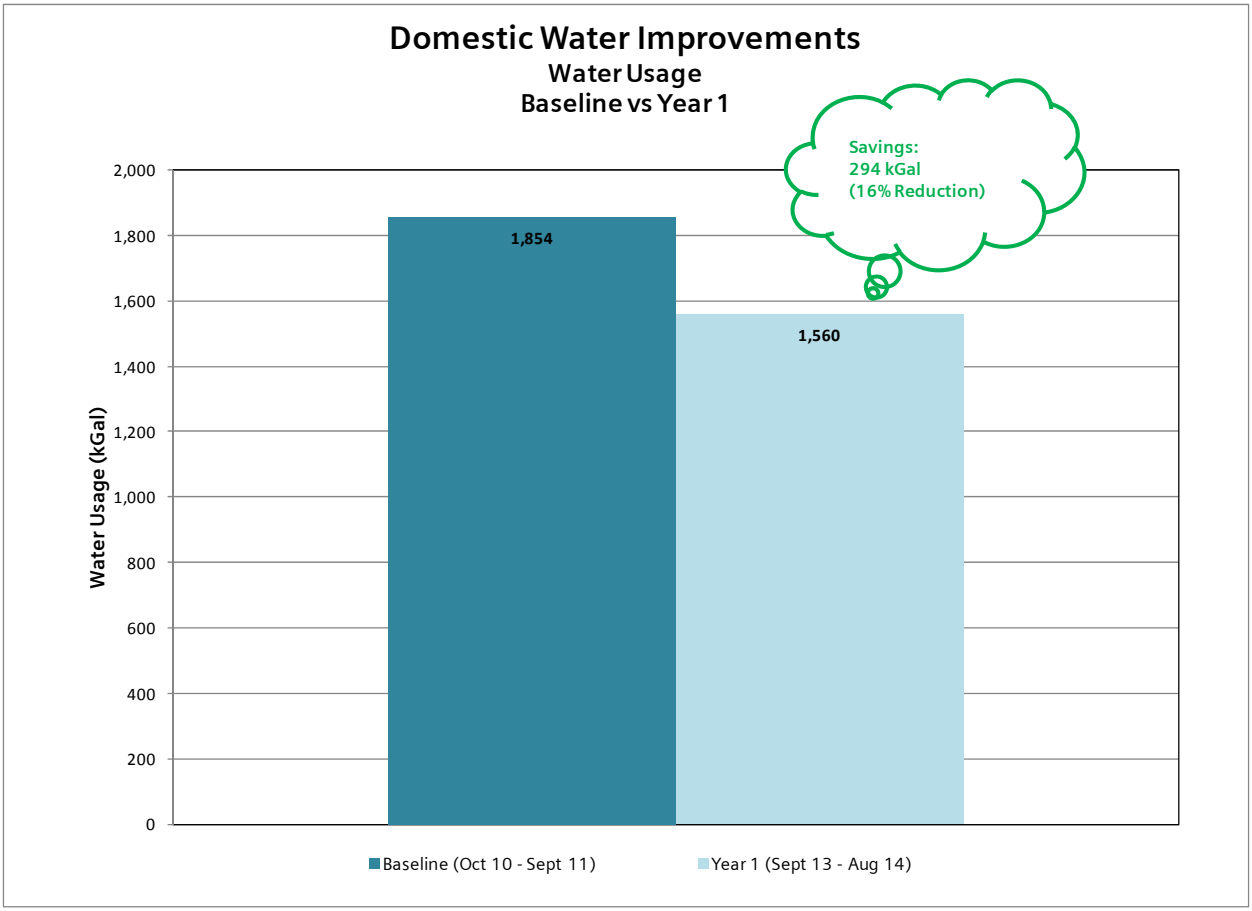
Graph 7 below compares the baseline and Year 1 measured electric energy usage for the Domestic Water Improvements FIM. The baseline electric energy usage was reduced by 20,433 kWh, which is a 35% reduction, for the current reporting year.



Graph 7 – Domestic Water Improvements Electric Energy Usage Comparison

Note: Because electric hot water heaters were the fuel source for hot water in several of the City's buildings, there was a significant reduction in electric energy usage due to the installation of new low flow water fixtures/devices.

Graph 8 below compares the baseline and Year 1 measured water usage for the Domestic Water Improvements FIM. The baseline water usage was reduced by 294 kGal, which is a 16% reduction, for the current reporting year.



Graph 8 – Domestic Water Improvements Water Usage Comparison

5.0 Site Visits

DATE OF VISIT: Thursday, October 3, 2013
TIME OF VISIT: 10:00 AM
LOCATION OF VISIT: Municipal Services Building, Bay City, TX
PURPOSE OF VISIT: To conduct the Project Close-out meeting with the City.

In Attendance

- City of Bay City
  - Barry Calhoun, Director of Public Works
  - Marla Jasek, Assistant Director of Public Works
  - Krystal Mason, Utility Secretary
  - Richard Clinton, Water/Wastewater Supervisor
- Siemens
  - Nick Steinbuck, Energy Engineer
  - Tehesia Powell, PA Engineer

Discussion Items

- Substantial Completion Status
- Punch list Items
- Performance Assurance / Measurement & Verification Activities
- See Attached Meeting Agenda

SIEMENS

City of Bay City

Performance Assurance Information Sheet

DATES OF INTEREST	
Project Completion:	8/21/2013
Performance Assurance Start Date:	9/01/2013
Performance Assurance End Date:	8/31/2028
Performance Assurance Period:	9/01/2013 –8/31/2014 (Year 1)
Report Due Date:	11/30/2014

WARRANTY DATES	
Ballpark Irrigation FIM (Punch List Signed 10.23.12)	
Subcontractor (1 Year Warranty)	10/23/2012 –10/23/2013
Pump Station (1 Year Warranty)	10/23/2012 – 10/23/2013
Lighting Efficiency Improvements FIM (Punch List Signed 10.2.12)	
Lamps (3 Years)	10/2/2012 – 10/2/2015
Ballasts (5 Years)	10/2/2012 – 10/2/2017
Occupancy Sensors	10/2/2012 – 10/2/2013
Plumbing Fixtures FIM (Punch List Signed 7.25.12)	7/25/2012 – 7/25/2013
Water Meter FIM (Punch List Signed 7.18.13)	7/18/2013 – 7/18/2014
Waste Water Treatment Plant FIM (Punch List Signed 8.28.13)	
Hartwell Equipment	8/28/2013 –8/28/2014
Turblex Blower	8/28/2013 - 8/28/2014
SCADA System	8/28/2013 – 8/28/2014

UTILITY RATES USED FOR UTILITY COST SAVINGS (per contract)	
Electricity: **Electricity (demand):**	$0.110/kWh (>10kW AEP – TCC) $5.09/kW
Electricity: **Electricity (demand):**	$0.118/kWh (Jackson Electric Cooperative) $0.00/kW
Water:	$2.18/kgal (Com within City Limits) $4.36/kgal (Com outside City Limits) $2.07/kgal (Res within City Limits) $4.14/kgal (Res outside City Limits)
Sewer:	$4.19/kgal (Com within City Limits) $8.38/kgal (Com outside City Limits) $4.10/kgal (Res within City Limits) $8.20/kgal (Res outside City Limits)
3% Annual Escalation on all Utility Rates	

Siemens Industry, Inc.
8600 N. Royal Ln, Suite 100 Tel: (972) 550-8488
Irving, TX 75063 Fax: (972) 751-1194

Infrastructure & Cities Division
Energy and Environmental Solutions

SIEMENS

Contact Info

Primary: Houston Service Department/Emergency After-Hours
(281) 949-3105

Secondary:

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Performance Assurance Specialist
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tehesia.powell@siemens.com

Curtis Boecker
Performance Assurance Lead
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Deval A. Allums
Executive Account EES
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deval.allums@siemens.com

Chad Nobles
Executive Account EES
(713) 870-8330
chad.nobles@siemens.com

Additional Information

- Performance Assurance (PA) group onsite for mid-year savings update
- PA group onsite for annual inspection
- City of Bay City primary point of contact for PA group will be Barry Calhoun (979) 453-1900
- City of Bay City should notify PA group of anything that might affect savings (for example- schedule changes, addition of buildings, operator overrides of controls, etc.)

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8600 N. Royal Ln, Suite 100 Tel: (972) 550-8488
Irving, TX 75063 Fax: (972) 751-1194

Infrastructure & Cities Division
Energy and Environmental Solutions

DATE OF VISIT: Tuesday, March 24, 2014
LOCATION OF VISIT: Municipal Services Buildings and Various Facilities, Bay City, TX
PURPOSE OF VISIT: To provide City with mid-year savings update and to perform the annual walkthrough inspection of equipment.

In Attendance

- City of Bay City
  - Barry Calhoun, Director of Public Works
  - Kelly Penewitt, Parks & Recreation Supervisor
  - Richard Clinton, Water/Wastewater Supervisor
- Siemens
  - Tehesia Powell, PA Engineer

Discussion Items

- See Attached Meeting Agenda

Annual Walkthrough Inspection

- Performed by Tehesia Powell, PA Engineer with Siemens

Results of the Annual Walkthrough Inspection

During the inspection, a majority of the retrofit equipment was visited. Observations made during the inspection, including pictures, are presented in the FIM Descriptions section of this report.

SIEMENS

City of Bay City
Performance Assurance Update

Municipal Services Building
March 25, 2014
Meeting 10:00 AM - 11:00 AM
Equipment Inspections 11:00 AM – 1:00 PM

Meeting Agenda

- Overall Project Discussion
- Key Performance FIMs
  - Water Meter System Upgrade
    - Current Water Meter Database in electronic format for requested reporting period (9/1/2013 – 2/28/2014)
      - Water Meter Database Information Sheet
      - Account ID#, account#, address, meter#, meter size, MIU#, etc.
      - Billed consumption & billed cost amount
      - Water revenue & water sold for reporting period
    - Approximately 11 meters will be pulled and tested for accuracy
  - Blower & Aeration Efficiency Improvements
  - Irrigation Upgrades
    - Currently, controllers are shut off and have been for several months.
    - Review WeatherTRAK reports
- Energy/Utility Savings Summary
  - Blower & Aeration Efficiency Improvements
    - WWTP Logged Blower Power Demand Graph
    - WWTP Electrical Energy Consumption Graph
  - Lighting Efficiency Improvements
  - Domestic Water Improvements
- Other Issues or Concerns

Annual Equipment Inspections

- Blower & Aeration Efficiency Improvements
  - Waste Water Treatment Plant
- Non-Potable Water Source & Weir Cleaner
  - Waste Water Treatment Plant
- Lighting Efficiency Improvements
  - Waste Water Treatment Plant
  - Civic Center
  - City Hall
  - Public Works Building
- Domestic Water Improvements
  - Waste Water Treatment Plant
  - Civic Center
  - City Hall
  - Public Works Building

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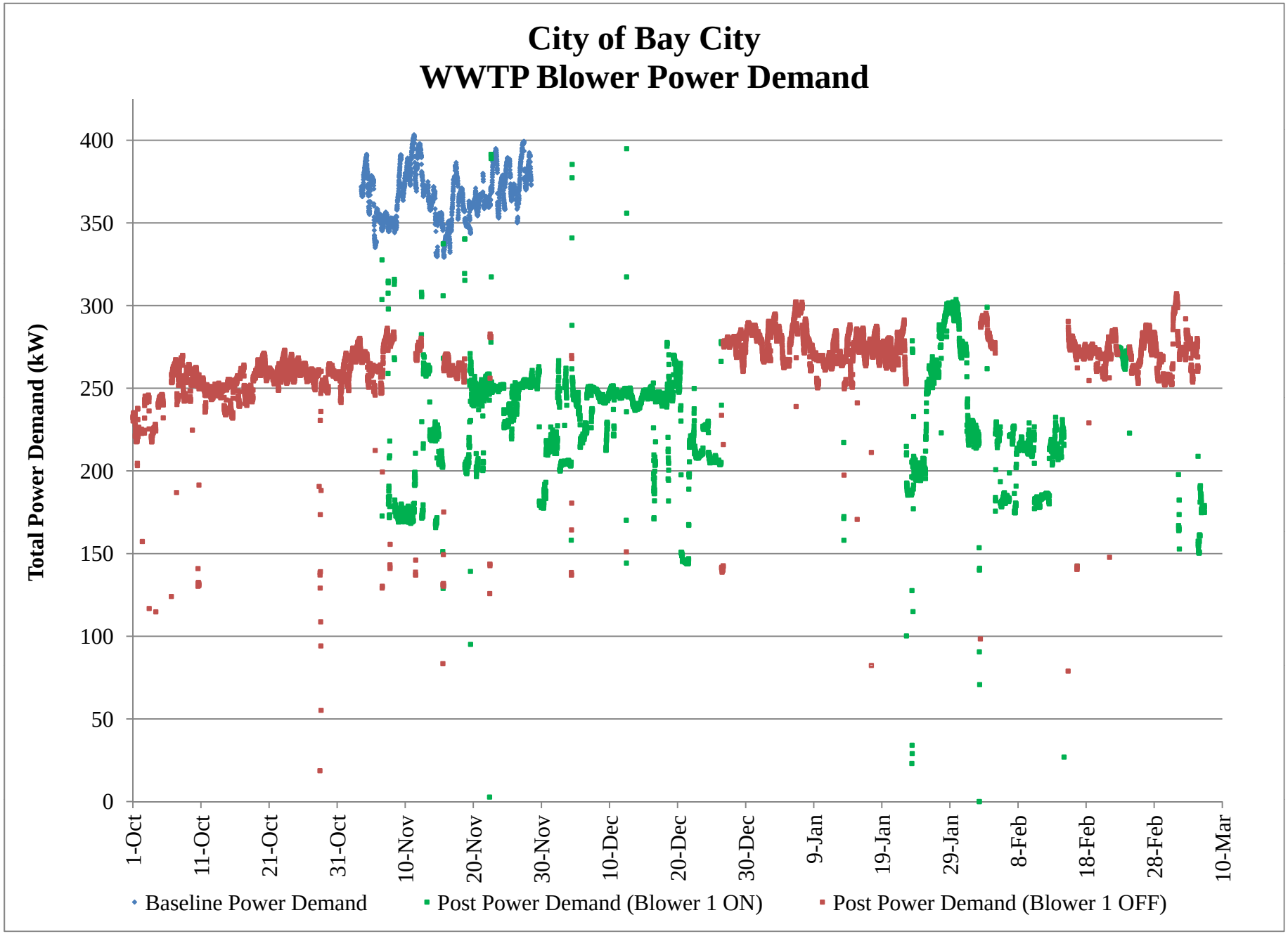
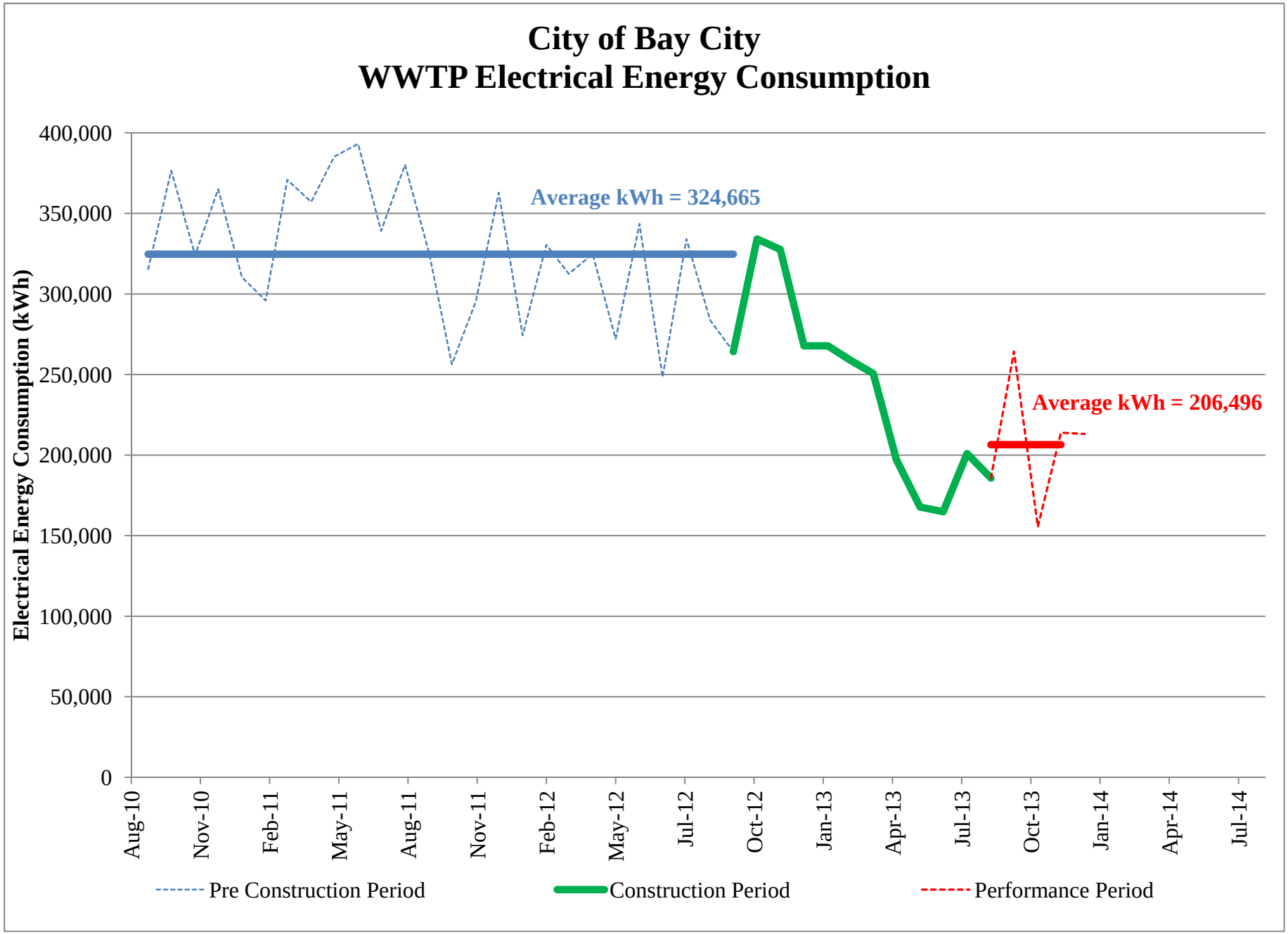
Building Performance & Sustainability Division
Infrastructure and Cities Sector

City of Bay City Measured Savings

Performance Period: September 1, 2013 - February 28, 2014

FIM Description	Electric Energy Saved (kWh)	Electric Power Saved (kW)	Water Saved (kgal)	Sewer Saved (kgal)	Energy / Utility Cost Savings ($)	Operational Cost Savings ($)	Total Cost Savings ($)	Contract Guaranteed Savings ($)	% Achieved
Blower & Aeration Efficiency Improvements	801,007				$ 88,111	$ -	$ 88,111	$ 173,988	51%
Lighting Efficiency Improvements	273,387	708			$ 35,862	$ 2,887	$ 38,748	$ 66,536	58%
Domestic Water Improvements	9,119		146	146	$ 2,006	$ -	$ 2,006	$ 3,858	52%
Total Savings	**1,083,513**	**708**	**146**	**146**	**$ 125,978**	**$ 2,887**	**$ 128,864**	**$ 244,382**	**53%**


City of Bay City
WWTP Blower Power Demand
Total Power Demand (kW)
400
350
300
250
200
150
100
50
0
1-Oct
11-Oct
21-Oct
31-Oct
10-Nov
20-Nov
30-Nov
10-Dec
20-Dec
30-Dec
9-Jan
19-Jan
29-Jan
8-Feb
18-Feb
28-Feb
10-Mar
Baseline Power Demand
Post Power Demand (Blower 1 ON)
Post Power Demand (Blower 1 OFF)


City of Bay City
WWTP Electrical Energy Consumption
Electrical Energy Consumption (kWh)
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Average kWh = 324,665
Average kWh = 206,496
Aug-10
Nov-10
Feb-11
May-11
Aug-11
Nov-11
Feb-12
May-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
Oct-13
Jan-14
Apr-14
Jul-14
Pre Construction Period
Construction Period
Performance Period

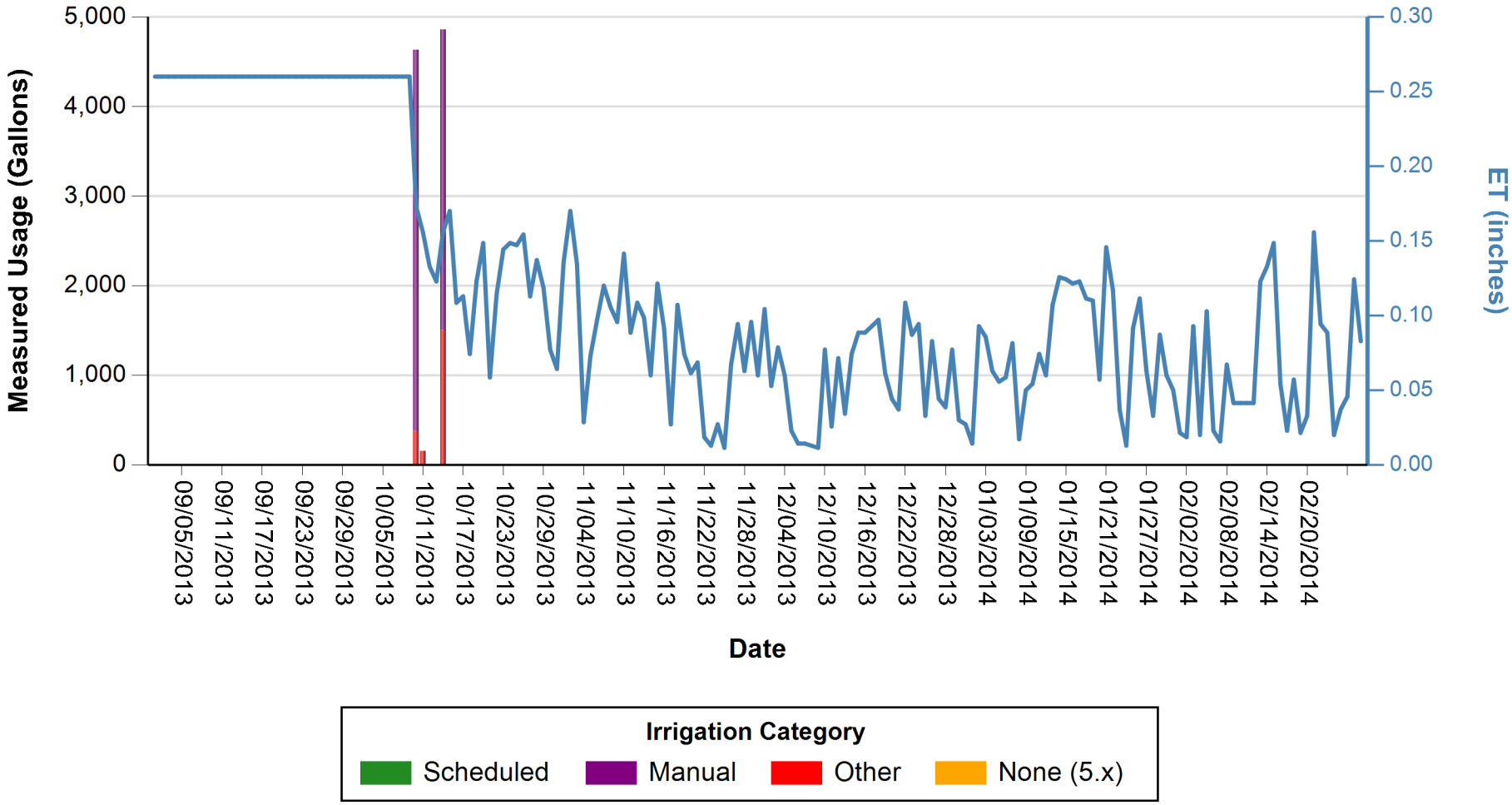
City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller
Measured Usage History Report

WeatherTRAK
Smart irrigation. Made simple.™

Measured Usage per Day: Sports Complex

09/01/2013 to 02/28/2014



Created by Ben Mund
(bmund@watersaversllc.com)

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller
Measured Usage History Report

WeatherTRAK
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09/01/2013 to 02/28/2014

								Measured Usage (Gallons) by Irrigation Category				
	Date	ET (inches)	Total Major Alerts	Shut-down	Ctrlr Off	Paused	Total Runtime (Minutes)	Scheduled	Manual	Other	None (5.x)	Total
1	09/01/2013	0.26	0	--	--	--	0	0	0	0	0	0
2	09/02/2013	0.26	0	--	--	--	0	0	0	0	0	0
3	09/03/2013	0.26	0	--	--	--	0	0	0	0	0	0
4	09/04/2013	0.26	0	--	--	--	0	0	0	0	0	0
5	09/05/2013	0.26	0	--	--	--	0	0	0	0	0	0
6	09/06/2013	0.26	0	--	--	--	0	0	0	0	0	0
7	09/07/2013	0.26	0	--	--	--	0	0	0	0	0	0
8	09/08/2013	0.26	0	--	--	--	0	0	0	0	0	0
9	09/09/2013	0.26	0	--	--	--	0	0	0	0	0	0
10	09/10/2013	0.26	0	--	--	--	0	0	0	0	0	0
11	09/11/2013	0.26	0	--	--	--	0	0	0	0	0	0
12	09/12/2013	0.26	0	--	--	--	0	0	0	0	0	0
13	09/13/2013	0.26	0	--	--	--	0	0	0	0	0	0
14	09/14/2013	0.26	0	--	--	--	0	0	0	0	0	0
15	09/15/2013	0.26	0	--	--	--	0	0	0	0	0	0
16	09/16/2013	0.26	0	--	--	--	0	0	0	0	0	0
17	09/17/2013	0.26	0	--	--	--	0	0	0	0	0	0
18	09/18/2013	0.26	0	--	--	--	0	0	0	0	0	0
19	09/19/2013	0.26	0	--	--	--	0	0	0	0	0	0
20	09/20/2013	0.26	0	--	--	--	0	0	0	0	0	0
21	09/21/2013	0.26	0	--	--	--	0	0	0	0	0	0
22	09/22/2013	0.26	0	--	--	--	0	0	0	0	0	0
23	09/23/2013	0.26	0	--	--	--	0	0	0	0	0	0
24	09/24/2013	0.26	0	--	--	--	0	0	0	0	0	0
25	09/25/2013	0.26	0	--	--	--	0	0	0	0	0	0
26	09/26/2013	0.26	0	--	--	--	0	0	0	0	0	0
27	09/27/2013	0.26	0	--	--	--	0	0	0	0	0	0
28	09/28/2013	0.26	0	--	--	--	0	0	0	0	0	0
29	09/29/2013	0.26	0	--	--	--	0	0	0	0	0	0
30	09/30/2013	0.26	0	--	--	--	0	0	0	0	0	0

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller
Measured Usage History Report

WeatherTRAK
Smart irrigation. Made simple.™

09/01/2013 to 02/28/2014

								Measured Usage (Gallons) by Irrigation Category				
	Date	ET (inches)	Total Major Alerts	Shut-down	Ctrlr Off	Paused	Total Runtime (Minutes)	Scheduled	Manual	Other	None (5.x)	Total
31	10/01/2013	0.26	0	--	--	--	0	0	0	0	0	0
32	10/02/2013	0.26	0	--	--	--	0	0	0	0	0	0
33	10/03/2013	0.26	0	--	--	--	0	0	0	0	0	0
34	10/04/2013	0.26	0	--	--	--	0	0	0	0	0	0
35	10/05/2013	0.26	0	--	--	--	0	0	0	0	0	0
36	10/06/2013	0.26	0	--	--	--	0	0	0	0	0	0
37	10/07/2013	0.26	0	--	--	--	0	0	0	0	0	0
38	10/08/2013	0.26	1				0	0	0	0	0	0
39	10/09/2013	0.26	0	--	--	--	0	0	0	0	0	0
40	10/10/2013	0.17	4		✔		0	0	4,247	382	0	4,629
41	10/11/2013	0.16	1				0	0	0	153	0	153
42	10/12/2013	0.13	0	--	--	--	0	0	0	0	0	0
43	10/13/2013	0.12	0				0	0	0	0	0	0
44	10/14/2013	0.16	5		✔	✔	0	0	3,352	1,504	0	4,856
45	10/15/2013	0.17	0	--	--	--	0	0	0	0	0	0
46	10/16/2013	0.11	0				0	0	0	0	0	0
47	10/17/2013	0.11	0	--	--	--	0	0	0	0	0	0
48	10/18/2013	0.07	0	--	--	--	0	0	0	0	0	0
49	10/19/2013	0.12	0			✔	0	0	0	0	0	0
50	10/20/2013	0.15	0	--	--	--	0	0	0	0	0	0
51	10/21/2013	0.06	0	--	--	--	0	0	0	0	0	0
52	10/22/2013	0.11	0	--	--	--	0	0	0	0	0	0
53	10/23/2013	0.14	0	--	--	--	0	0	0	0	0	0
54	10/24/2013	0.15	0	--	--	--	0	0	0	0	0	0
55	10/25/2013	0.15	0	--	--	--	0	0	0	0	0	0
56	10/26/2013	0.15	0	--	--	--	0	0	0	0	0	0
57	10/27/2013	0.11	0	--	--	--	0	0	0	0	0	0
58	10/28/2013	0.14	0				0	0	0	0	0	0
59	10/29/2013	0.12	0	--	--	--	0	0	0	0	0	0
60	10/30/2013	0.08	0	--	--	--	0	0	0	0	0	0

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller
Measured Usage History Report

WeatherTRAK
Smart irrigation. Made simple.™

09/01/2013 to 02/28/2014

								Measured Usage (Gallons) by Irrigation Category				
	Date	ET (inches)	Total Major Alerts	Shut-down	Ctrlr Off	Paused	Total Runtime (Minutes)	Scheduled	Manual	Other	None (5.x)	Total
61	10/31/2013	0.06	0			✔	0	0	0	0	0	0
62	11/01/2013	0.14	0	--	--	--	0	0	0	0	0	0
63	11/02/2013	0.17	0	--	--	--	0	0	0	0	0	0
64	11/03/2013	0.13	0				0	0	0	0	0	0
65	11/04/2013	0.03	0	--	--	--	0	0	0	0	0	0
66	11/05/2013	0.07	0			✔	0	0	0	0	0	0
67	11/06/2013	0.10	0	--	--	--	0	0	0	0	0	0
68	11/07/2013	0.12	0	--	--	--	0	0	0	0	0	0
69	11/08/2013	0.11	0	--	--	--	0	0	0	0	0	0
70	11/09/2013	0.10	0	--	--	--	0	0	0	0	0	0
71	11/10/2013	0.14	0				0	0	0	0	0	0
72	11/11/2013	0.09	0	--	--	--	0	0	0	0	0	0
73	11/12/2013	0.11	0	--	--	--	0	0	0	0	0	0
74	11/13/2013	0.10	0	--	--	--	0	0	0	0	0	0
75	11/14/2013	0.06	0	--	--	--	0	0	0	0	0	0
76	11/15/2013	0.12	0	--	--	--	0	0	0	0	0	0
77	11/16/2013	0.09	0	--	--	--	0	0	0	0	0	0
78	11/17/2013	0.03	0				0	0	0	0	0	0
79	11/18/2013	0.11	0	--	--	--	0	0	0	0	0	0
80	11/19/2013	0.07	0	--	--	--	0	0	0	0	0	0
81	11/20/2013	0.06	0	--	--	--	0	0	0	0	0	0
82	11/21/2013	0.07	0		✔		0	0	0	0	0	0
83	11/22/2013	0.02	0			✔	0	0	0	0	0	0
84	11/23/2013	0.01	0			✔	0	0	0	0	0	0
85	11/24/2013	0.03	0	--	--	--	0	0	0	0	0	0
86	11/25/2013	0.01	0	--	--	--	0	0	0	0	0	0
87	11/26/2013	0.07	0	--	--	--	0	0	0	0	0	0
88	11/27/2013	0.09	0	--	--	--	0	0	0	0	0	0
89	11/28/2013	0.06	0	--	--	--	0	0	0	0	0	0
90	11/29/2013	0.10	0	--	--	--	0	0	0	0	0	0

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller
Measured Usage History Report

WeatherTRAK
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09/01/2013 to 02/28/2014

								Measured Usage (Gallons) by Irrigation Category				
	Date	ET (inches)	Total Major Alerts	Shut-down	Ctrlr Off	Paused	Total Runtime (Minutes)	Scheduled	Manual	Other	None (5.x)	Total
91	11/30/2013	0.06	0	--	--	--	0	0	0	0	0	0
92	12/01/2013	0.10	0	--	--	--	0	0	0	0	0	0
93	12/02/2013	0.05	0				0	0	0	0	0	0
94	12/03/2013	0.08	0	--	--	--	0	0	0	0	0	0
95	12/04/2013	0.06	0	--	--	--	0	0	0	0	0	0
96	12/05/2013	0.02	0	--	--	--	0	0	0	0	0	0
97	12/06/2013	0.01	0	--	--	--	0	0	0	0	0	0
98	12/07/2013	0.01	0	--	--	--	0	0	0	0	0	0
99	12/08/2013	0.01	0				0	0	0	0	0	0
100	12/09/2013	0.01	0	--	--	--	0	0	0	0	0	0
101	12/10/2013	0.08	0	--	--	--	0	0	0	0	0	0
102	12/11/2013	0.03	0	--	--	--	0	0	0	0	0	0
103	12/12/2013	0.07	0	--	--	--	0	0	0	0	0	0
104	12/13/2013	0.03	0	--	--	--	0	0	0	0	0	0
105	12/14/2013	0.07	0	--	--	--	0	0	0	0	0	0
106	12/15/2013	0.09	0				0	0	0	0	0	0
107	12/16/2013	0.09	0	--	--	--	0	0	0	0	0	0
108	12/17/2013	0.09	0	--	--	--	0	0	0	0	0	0
109	12/18/2013	0.10	0	--	--	--	0	0	0	0	0	0
110	12/19/2013	0.06	0	--	--	--	0	0	0	0	0	0
111	12/20/2013	0.04	0	--	--	--	0	0	0	0	0	0
112	12/21/2013	0.04	0	--	--	--	0	0	0	0	0	0
113	12/22/2013	0.11	0			✔	0	0	0	0	0	0
114	12/23/2013	0.09	0	--	--	--	0	0	0	0	0	0
115	12/24/2013	0.09	0				0	0	0	0	0	0
116	12/25/2013	0.03	0	--	--	--	0	0	0	0	0	0
117	12/26/2013	0.08	0	--	--	--	0	0	0	0	0	0
118	12/27/2013	0.04	0	--	--	--	0	0	0	0	0	0
119	12/28/2013	0.04	0			✔	0	0	0	0	0	0
120	12/29/2013	0.08	0				0	0	0	0	0	0

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller
Measured Usage History Report

WeatherTRAK
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09/01/2013 to 02/28/2014

								Measured Usage (Gallons) by Irrigation Category				
	Date	ET (inches)	Total Major Alerts	Shut-down	Ctrlr Off	Paused	Total Runtime (Minutes)	Scheduled	Manual	Other	None (5.x)	Total
121	12/30/2013	0.03	0	--	--	--	0	0	0	0	0	0
122	12/31/2013	0.03	0			✔	0	0	0	0	0	0
123	01/01/2014	0.01	0	--	--	--	0	0	0	0	0	0
124	01/02/2014	0.09	0	--	--	--	0	0	0	0	0	0
125	01/03/2014	0.09	0	--	--	--	0	0	0	0	0	0
126	01/04/2014	0.06	0	--	--	--	0	0	0	0	0	0
127	01/05/2014	0.06	0	--	--	--	0	0	0	0	0	0
128	01/06/2014	0.06	0	--	--	--	0	0	0	0	0	0
129	01/07/2014	0.08	0	--	--	--	0	0	0	0	0	0
130	01/08/2014	0.02	0	--	--	--	0	0	0	0	0	0
131	01/09/2014	0.05	0	--	--	--	0	0	0	0	0	0
132	01/10/2014	0.05	0				0	0	0	0	0	0
133	01/11/2014	0.07	0	--	--	--	0	0	0	0	0	0
134	01/12/2014	0.06	0				0	0	0	0	0	0
135	01/13/2014	0.11	0	--	--	--	0	0	0	0	0	0
136	01/14/2014	0.13	0	--	--	--	0	0	0	0	0	0
137	01/15/2014	0.12	0	--	--	--	0	0	0	0	0	0
138	01/16/2014	0.12	0	--	--	--	0	0	0	0	0	0
139	01/17/2014	0.12	0	--	--	--	0	0	0	0	0	0
140	01/18/2014	0.11	0	--	--	--	0	0	0	0	0	0
141	01/19/2014	0.11	0				0	0	0	0	0	0
142	01/20/2014	0.06	2				0	0	0	0	0	0
143	01/21/2014	0.15	0	--	--	--	0	0	0	0	0	0
144	01/22/2014	0.12	0	--	--	--	0	0	0	0	0	0
145	01/23/2014	0.04	0	--	--	--	0	0	0	0	0	0
146	01/24/2014	0.01	0			✔	0	0	0	0	0	0
147	01/25/2014	0.09	0	--	--	--	0	0	0	0	0	0
148	01/26/2014	0.11	0	--	--	--	0	0	0	0	0	0
149	01/27/2014	0.06	0	--	--	--	0	0	0	0	0	0
150	01/28/2014	0.03	0	--	--	--	0	0	0	0	0	0

City of Bay City
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Single Controller
Measured Usage History Report

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09/01/2013 to 02/28/2014

								Measured Usage (Gallons) by Irrigation Category				
	Date	ET (inches)	Total Major Alerts	Shut-down	Ctrlr Off	Paused	Total Runtime (Minutes)	Scheduled	Manual	Other	None (5.x)	Total
151	01/29/2014	0.09	0	--	--	--	0	0	0	0	0	0
152	01/30/2014	0.06	0	--	--	--	0	0	0	0	0	0
153	01/31/2014	0.05	0				0	0	0	0	0	0
154	02/01/2014	0.02	0			✔	0	0	0	0	0	0
155	02/02/2014	0.02	0			✔	0	0	0	0	0	0
156	02/03/2014	0.09	0	--	--	--	0	0	0	0	0	0
157	02/04/2014	0.02	0				0	0	0	0	0	0
158	02/05/2014	0.10	0			✔	0	0	0	0	0	0
159	02/06/2014	0.02	0	--	--	--	0	0	0	0	0	0
160	02/07/2014	0.02	0	--	--	--	0	0	0	0	0	0
161	02/08/2014	0.07	0	--	--	--	0	0	0	0	0	0
162	02/09/2014	0.04	1				0	0	0	0	0	0
163	02/10/2014	0.04	0	--	--	--	0	0	0	0	0	0
164	02/11/2014	0.04	0	--	--	--	0	0	0	0	0	0
165	02/12/2014	0.04	0	--	--	--	0	0	0	0	0	0
166	02/13/2014	0.12	0			✔	0	0	0	0	0	0
167	02/14/2014	0.13	0	--	--	--	0	0	0	0	0	0
168	02/15/2014	0.15	0	--	--	--	0	0	0	0	0	0
169	02/16/2014	0.05	0				0	0	0	0	0	0
170	02/17/2014	0.02	0	--	--	--	0	0	0	0	0	0
171	02/18/2014	0.06	0	--	--	--	0	0	0	0	0	0
172	02/19/2014	0.02	0	--	--	--	0	0	0	0	0	0
173	02/20/2014	0.03	0	--	--	--	0	0	0	0	0	0
174	02/21/2014	0.16	0	--	--	--	0	0	0	0	0	0
175	02/22/2014	0.09	0	--	--	--	0	0	0	0	0	0
176	02/23/2014	0.09	0				0	0	0	0	0	0
177	02/24/2014	0.02	0	--	--	--	0	0	0	0	0	0
178	02/25/2014	0.04	0	--	--	--	0	0	0	0	0	0
179	02/26/2014	0.05	0			✔	0	0	0	0	0	0
180	02/27/2014	0.12	0	--	--	--	0	0	0	0	0	0

City of Bay City
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Single Controller
Measured Usage History Report

09/01/2013 to 02/28/2014

								Measured Usage (Gallons) by Irrigation Category				
	Date	ET (inches)	Total Major Alerts	Shut-down	Ctrlr Off	Paused	Total Runtime (Minutes)	Scheduled	Manual	Other	None (5.x)	Total
181	02/28/2014	0.08	0	--	--	--	0	0	0	0	0	0
	Totals	**11.3**	**14**	**0**	**53**	**15**	**0**	**0**	**7,599**	**2,039**	**0**	**9,638**

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Single Controller
Measured Usage History Report

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Alert Reference Detail Information - Major and Critical Alerts

	Alert Raised	Duration	Alert Cleared	Severity	Alert Type	Alert Description
1	10/14/2013 10:44AM	79 minutes	10/14/2013 12:03PM	Major	Leak	Current Flow: 17 GPM; Limit: 10 GPM.
2	10/14/2013 10:37AM	3 minutes	10/14/2013 10:40AM	Major	Leak	Current Flow: 21 GPM; Limit: 10 GPM.
3	10/14/2013 10:29AM	6 minutes	10/14/2013 10:35AM	Major	Leak	Current Flow: 64 GPM; Limit: 10 GPM.
4	10/14/2013 9:29AM	30 minutes	10/14/2013 9:59AM	Major	No Flow	[10/14 09:46AM] Flow: 31 GPM; Limit: 40 GPM; Stations: MV,1. [10/14 09:33AM] Flow: 17 GPM; Limit: 40 GPM; Station: 4. [10/14 09:29AM] Flow: 25 GPM; Limit: 40 GPM; Station: 2.
5	10/14/2013 9:21AM	35 minutes	10/14/2013 9:56AM	Major	Leak	Current Flow: 21 GPM; Limit: 10 GPM.
6	10/11/2013 11:39AM	11 hours	10/11/2013 10:31PM	Major	Leak	Current Flow: 68 GPM; Limit: 10 GPM.
7	10/10/2013 10:14AM	1 minute	10/10/2013 10:15AM	Major	Leak	Current Flow: 18 GPM; Limit: 10 GPM.
8	10/10/2013 10:13AM	2 minutes	10/10/2013 10:15AM	Critical	Mainline Break	[10/10 10:13AM] Flow: 72 GPM; Limit: 95 GPM; Station: MV.
9	10/10/2013 9:47AM	1 minute	10/10/2013 9:48AM	Critical	Mainline Break	[10/10 09:47AM] Flow: 80 GPM; Limit: 100 GPM; Station: 1.
10	10/10/2013 9:28AM	6 minutes	10/10/2013 9:34AM	Major	No Flow	[10/10 09:28AM] Flow: 0 GPM; Limit: 5 GPM; Station: 1.
11	10/08/2013 10:30AM	45 hours	10/10/2013 7:12AM	Major	Controller Offline	
12	02/09/2014 11:50PM	4 days	02/13/2014 6:31AM	Major	Controller Offline	
13	01/20/2014 7:10PM	2 minutes	01/20/2014 7:12PM	Major	Controller Offline	
14	01/20/2014 7:00PM	9 minutes	01/20/2014 7:09PM	Major	Controller Offline	

City of Bay City
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Single Controller
Runtime History Report

WeatherTRAK
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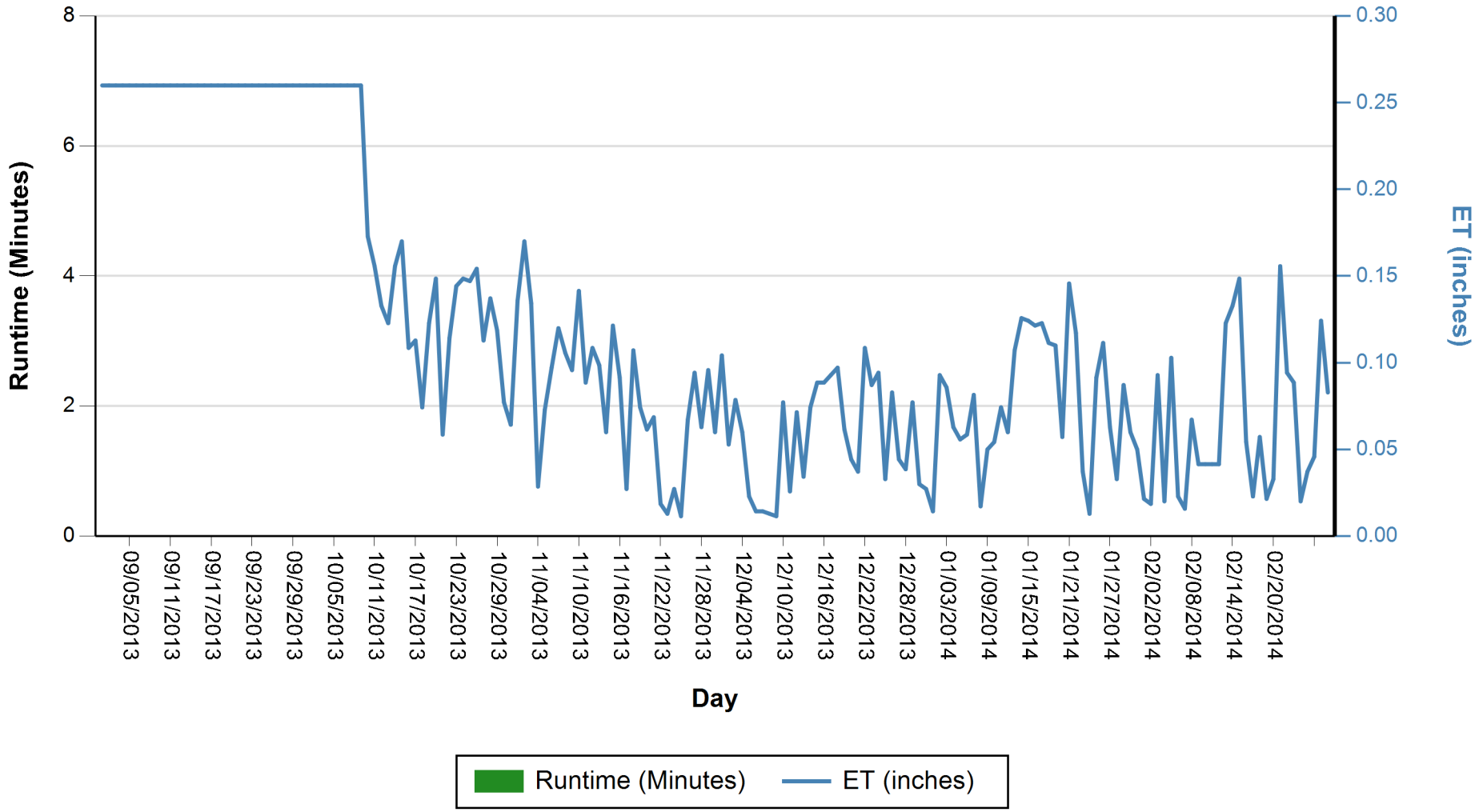
Runtime Per Day: Sports Complex

09/01/2013 to 02/28/2014



City of Bay City
Site: City of Bay City
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Single Controller
Runtime History Report

WeatherTRAK
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Day	ET (inches)	Major Alerts*	Total Shut-down*	Total Ctrlr Off*	Total Paused *	Measured Usage (Gallons)	Total Runtime (Minutes)	Station Runtime (Minutes)																	
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
09/01/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/02/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/03/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/04/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/05/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/06/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/07/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/08/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/09/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/10/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/11/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/12/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/13/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/14/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/15/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/16/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/17/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/18/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/19/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/20/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/21/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/22/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/23/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/24/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/25/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/26/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/27/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/28/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/29/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/30/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/01/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/02/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/03/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/04/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/05/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/06/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/07/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/08/2013	0.26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

City of Bay City
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Single Controller
Runtime History Report

WeatherTRAK
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Station Runtime (Minutes)					
19	20	21	22	23	24
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Created by Ben Mund
(bmund@watersaversllc.com)

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller Runtime History Report

WeatherTRAK
Smart irrigation. Made simple.

Day	ET (inches)	Major Alerts*	Total Shut-down*	Total Ctrlr Off*	Total Paused *	Measured Usage (Gallons)	Total Runtime (Minutes)	Station Runtime (Minutes)																	
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
10/09/2013	0.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/10/2013	0.17	4	0	12	0	4,629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/11/2013	0.16	1	0	0	0	153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/12/2013	0.13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/13/2013	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/14/2013	0.16	5	0	40	1	4,856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/15/2013	0.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/16/2013	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/17/2013	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/18/2013	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/19/2013	0.12	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/20/2013	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2013	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/22/2013	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/23/2013	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/24/2013	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/25/2013	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/26/2013	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/27/2013	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/28/2013	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/29/2013	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/30/2013	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/31/2013	0.06	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/01/2013	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/02/2013	0.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/03/2013	0.13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/04/2013	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/05/2013	0.07	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/06/2013	0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/07/2013	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/08/2013	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/09/2013	0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/10/2013	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/11/2013	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/12/2013	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/13/2013	0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/14/2013	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/15/2013	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller Runtime History Report

WeatherTRAK
Smart irrigation. Made simple.

Station Runtime (Minutes)					
19	**20**	**21**	**22**	**23**	**24**
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Attachment: 20150326 - Siemens One Year Savings Report (1838 : Siemens Project Update)

Created by Ben Mund
(bmund@watersaversllc.com)

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller Runtime History Report

WeatherTRAK
Smart irrigation. Made simple.™

Day	ET (inches)	Major Alerts*	Total Shut-down*	Total Ctrlr Off*	Total Paused *	Measured Usage (Gallons)	Total Runtime (Minutes)	Station Runtime (Minutes)																	
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
11/16/2013	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/17/2013	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/18/2013	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/19/2013	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/20/2013	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/21/2013	0.07	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/22/2013	0.02	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/23/2013	0.01	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/24/2013	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/25/2013	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/26/2013	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/27/2013	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/28/2013	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/29/2013	0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/30/2013	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/01/2013	0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/02/2013	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/03/2013	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/04/2013	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/05/2013	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/06/2013	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/07/2013	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/08/2013	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/09/2013	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/10/2013	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/11/2013	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/12/2013	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/13/2013	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/14/2013	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/15/2013	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/16/2013	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/17/2013	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/18/2013	0.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/19/2013	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/20/2013	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/21/2013	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/22/2013	0.11	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/23/2013	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller Runtime History Report

Smart irrigation. Made simple.™

Station Runtime (Minutes)					
19	20	21	22	23	24
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Attachment: 20150326 - Siemens One Year Savings Report (1838 : Siemens Project Update)

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller Runtime History Report

WeatherTRAK
Smart irrigation. Made simple.

Day	ET (inches)	Major Alerts*	Total Shut-down*	Total Ctrlr Off*	Total Paused *	Measured Usage (Gallons)	Total Runtime (Minutes)	Station Runtime (Minutes)																	
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
12/24/2013	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/25/2013	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/26/2013	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/27/2013	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/28/2013	0.04	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/29/2013	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/30/2013	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/31/2013	0.03	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/01/2014	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/02/2014	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/03/2014	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/04/2014	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/05/2014	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/06/2014	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/07/2014	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/08/2014	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/09/2014	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/10/2014	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/11/2014	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/12/2014	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/13/2014	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/14/2014	0.13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/15/2014	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/16/2014	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/17/2014	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/18/2014	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/19/2014	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/20/2014	0.06	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/21/2014	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/22/2014	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/23/2014	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/24/2014	0.01	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/25/2014	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/26/2014	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/27/2014	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/28/2014	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/29/2014	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/30/2014	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller
Runtime History Report

WeatherTRAK
Smart irrigation. Made simple.

Station Runtime (Minutes)					
19	20	21	22	23	24
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller Runtime History Report

WeatherTRAK
Smart irrigation. Made simple.

Day	ET (inches)	Major Alerts*	Total Shut-down*	Total Ctrlr Off*	Total Paused *	Measured Usage (Gallons)	Total Runtime (Minutes)	Station Runtime (Minutes)																	
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
01/31/2014	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/01/2014	0.02	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/02/2014	0.02	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/03/2014	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/04/2014	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/05/2014	0.10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/06/2014	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/07/2014	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/08/2014	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/09/2014	0.04	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/10/2014	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/11/2014	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/12/2014	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/13/2014	0.12	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/14/2014	0.13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/15/2014	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/16/2014	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/17/2014	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/18/2014	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/19/2014	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/20/2014	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/21/2014	0.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/22/2014	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/23/2014	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/24/2014	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/25/2014	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/26/2014	0.05	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/27/2014	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/28/2014	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	**11.3**	**14**	**0**	**53**	**15**	**9,638**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

***** The alert totals reference alerts that were opened on that date.
To view all alerts, run the Multi-Controller Alert Report.

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller Runtime History Report

Station Runtime (Minutes)					
19	**20**	**21**	**22**	**23**	**24**
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	**0**	**0**	**0**	**0**	**0**

Attachment: 20150326 - Siemens One Year Savings Report (1838 : Siemens Project Update)

Created by Ben Mund
(bmund@watersaversllc.com)

Do Not Distribute without Permission

City of Bay City
Site: City of Bay City
07103963 - Sports Complex

Single Controller
Runtime History Report

Alert Reference Detail Information - Major and Critical Alerts

	Alert Raised	Duration	Alert Cleared	Severity	Alert Type	Alert Description
1	10/14/2013 10:44AM	79 minutes	10/14/2013 12:03PM	Major	Leak	Current Flow: 17 GPM; Limit: 10 GPM.
2	10/14/2013 10:37AM	3 minutes	10/14/2013 10:40AM	Major	Leak	Current Flow: 21 GPM; Limit: 10 GPM.
3	10/14/2013 10:29AM	6 minutes	10/14/2013 10:35AM	Major	Leak	Current Flow: 64 GPM; Limit: 10 GPM.
4	10/14/2013 9:29AM	30 minutes	10/14/2013 9:59AM	Major	No Flow	[10/14 09:46AM] Flow: 31 GPM; Limit: 40 GPM; Stations: MV,1. [10/14 09:33AM] Flow: 17 GPM; Limit: 40 GPM; Station: 4. [10/14 09:29AM] Flow: 25 GPM; Limit: 40 GPM; Station: 2.
5	10/14/2013 9:21AM	35 minutes	10/14/2013 9:56AM	Major	Leak	Current Flow: 21 GPM; Limit: 10 GPM.
6	10/11/2013 11:39AM	11 hours	10/11/2013 10:31PM	Major	Leak	Current Flow: 68 GPM; Limit: 10 GPM.
7	10/10/2013 10:14AM	1 minute	10/10/2013 10:15AM	Major	Leak	Current Flow: 18 GPM; Limit: 10 GPM.
8	10/10/2013 10:13AM	2 minutes	10/10/2013 10:15AM	Critical	Mainline Break	[10/10 10:13AM] Flow: 72 GPM; Limit: 95 GPM; Station: MV.
9	10/10/2013 9:47AM	1 minute	10/10/2013 9:48AM	Critical	Mainline Break	[10/10 09:47AM] Flow: 80 GPM; Limit: 100 GPM; Station: 1.
10	10/10/2013 9:28AM	6 minutes	10/10/2013 9:34AM	Major	No Flow	[10/10 09:28AM] Flow: 0 GPM; Limit: 5 GPM; Station: 1.
11	10/08/2013 10:30AM	45 hours	10/10/2013 7:12AM	Major	Controller Offline	
12	02/09/2014 11:50PM	4 days	02/13/2014 6:31AM	Major	Controller Offline	
13	01/20/2014 7:10PM	2 minutes	01/20/2014 7:12PM	Major	Controller Offline	
14	01/20/2014 7:00PM	9 minutes	01/20/2014 7:09PM	Major	Controller Offline	

Alerts

Alert Date (Pacific)	Alert Category	Alert Type	Account	Site	Controller	Serial Number	Version	Description (PST)	Duration
11/21/2013 1:34 PM	Irrigation Status	Controller Off	City of Bay City	City of Bay City	Sports Complex	07103963	6.3.0 / Pro2	Controller OFF From Controller	4 months

6.0 Utility Rates

Utility rate schedules for electricity, water, and sewer are shown in Exhibit C, Article 6 of the Energy Performance Contract. The utility rates have a 3% escalation per annual period. For all FIMs except the Water Meter System Upgrade, the baseline utility rates were used to calculate the savings for this contract year. For the Water Meter System Upgrade FIM, contracted water and sewer rate structures were applied to the unbilled water and sewer consumption increases to calculate the annual revenue increase.

SIEMENS

7.0 Acknowledgement of Receipt of Annual Savings Report

SIEMENS Industry, Inc. - Building Performance & Sustainability Division is pleased to provide the City of Bay City with this Year 1 (9/01/13-8/31/14) Annual Savings Report for the Phase I Energy Performance Contract. The information included in this report indicates that the City of Bay City saved **$781,293** during this first reporting period. The guarantee as established in the contract promised savings of **$712,273**; this is a savings excess of **$69,020**.

Please acknowledge receipt of the report results by executing below

Tehesia Powell, CEM, CDSM
Sr. Performance Assurance Engineer
SIEMENS Industry, Inc. - Building Performance & Sustainability
8600 N. Royal Lane, Suite 100
Irving, TX 75063
fax: 972-751-1194
tehesia.powell@siemens.com

Acknowledgement of Receipt of Annual Savings Report:
Guarantee Year 1 ● September 1, 2013 – August 31, 2014

I hereby acknowledge that I received the Annual Performance Report referenced above.

City of Bay City Representative

Signature: _____

Name: _____

Title: _____

Date: _____

City Council
1901 5Th Street
Bay City, TX 77414

SCHEDULED

Meeting: 03/26/15 07:00 PM
Department: City Secretary
Category: Report
Prepared By: Rhonda Clegg
Initiator: Rhonda Clegg
Sponsors:
DOC ID: 1811

DISCUSSION ITEM (ID # 1811)

PROVIDE UPDATE ON THE REPAIR AND RECONDITIONING OF THE CITY'S ELEVATED AND GROUND DOMESTIC WATER TANKS, AND THE PROGRESS OF SECURING A MAINTENANCE CONTRACT FOR THE CITY'S WATER TANKS.

City Council
1901 5Th Street
Bay City, TX 77414

SCHEDULED

Meeting: 03/26/15 07:00 PM
Department: Public Works
Category: Presentation
Prepared By: Marla Jasek
Initiator: Marla Jasek
Sponsors:
DOC ID: 1833

DISCUSSION ITEM (ID # 1833)

PRESENTATION AND DISCUSSION N THE TEXAS COLORADO RIVER FLOODPLAIN COALITION (TCRFC) PROJECT TO UPDATE THE LOCAL HAZARD MITIGATION PLAN.

The City currently is part of a multi-county hazard mitigation plan. FEMA now requires that each County to have its own plan. As a member of TCRFC, we do not have to develop our own plan. The process, timeline and effects of the plan will be discussed.

TEXAS COLORADO RIVER FLOODPLAIN COALITION

Hazard Mitigation Plan Update
Community Participation

"To Build More Resilient Communities"

What is Hazard Mitigation?

Hazard mitigation planning is a **proactive** effort to identify actions that can be taken to reduce the dangers to life and property from hazard events. These long-term strategies include planning, policy, and regulation changes, education programs, infrastructure projects, and other activities. The Federal Disaster Mitigation Act of 2000 **requires all jurisdictions** that wish to be **eligible to receive FEMA funding** for hazard mitigation grants to **adopt a local multi-hazard mitigation plan** and keep the plan current by **reviewing it annually and updating it at least every five years.**

Why You MUST Attend?

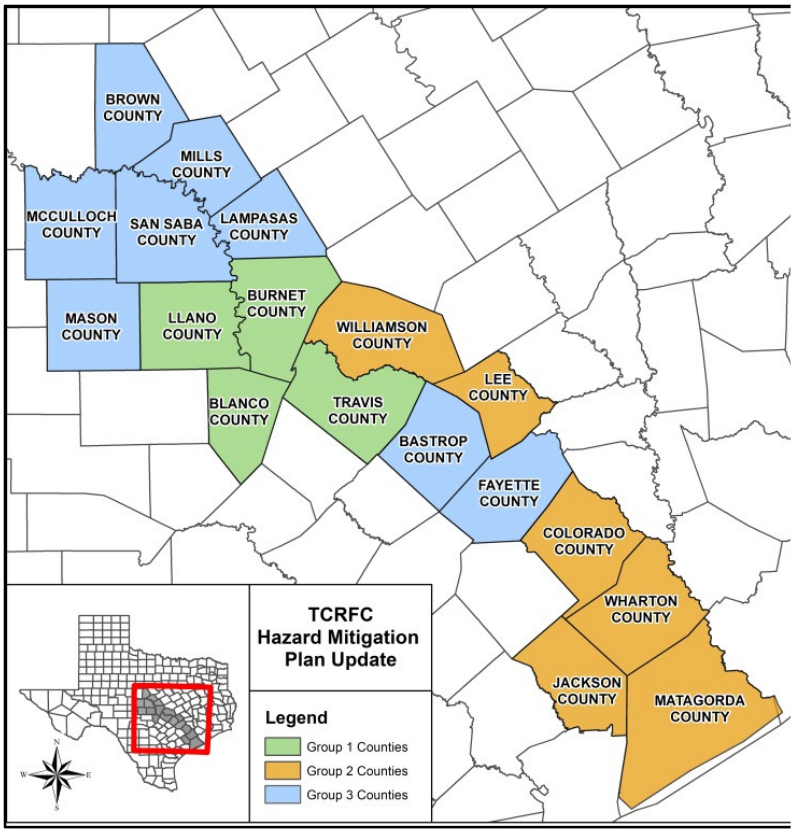
To be included in the Hazard Mitigation Plan Update (ensuring **eligibility** for FEMA Hazard Funding) active participation and involvement is necessary. Attendance from a least one participating community representative is mandatory to **ALL** three Planning Meetings. FEMA-compliant active participation is documented using sign-in sheets at the planning meetings. Someone from your community **MUST** sign in to each meeting.

Who Should Attend?

Participating members include but are not limited to emergency managers, police and fire officials, floodplain managers, city engineers, public works managers, city and community planners, city leadership as well as major city employers such as school districts, hospitals, etc.

TCRFC Hazard Mitigation History

The current TCRFC Hazard Mitigation Plan will expire i 2016, therefore TCRFC has initiated steps to begin the n update. In late 2013, the TCRFC Board selected the JSW Team to prepare our Hazard Mitigation Plan Update. Th JSWA Team consists of Jeff Ward (JSW & Associates), Tetra Tech, and Halff Associates. TCRFC has worked w the JSWA Team to apply for hazard mitigation funding through FEMA's Pre-Disaster Mitigation (PDM) Grant Program. The Team has been successful in obtaining thr PDM Grants as displayed below. Planning meetings for these grants will be conducted over the course of 2015. Additional meeting information is provided on the back this page.



Attachment: Update Kickoff 3-10-15 (1833 : TCFRC Update)

TEXAS COLORADO RIVER FLOODPLAIN COALITION

Goal: *To identify county and local policies, actions, and tools for long-term implementation in order to reduce risk and future losses stemming from natura hazards that are likely to impact the county, cities, and municipalities.*

Hazard Mitigation Planning Process

Three Planning Meetings: As noted on the previous page, the TCRFC Hazard Mitigation Planning process will be broken into three groups in accordance with the PDM Grant funding. The table to the right displays the participants under each planning group. Groups 1 through 3 are then separated into two smaller planning areas indicated by an A or B. The smaller planning areas will enable the Team to generate more focused planning efforts for the multiple TCRFC regions.

GROUP 1	GROUP 2	GROUP 3
1A. Llano County	**2A. Lee County**	**3A. Lampasas County**
Horseshoe Bay	Giddings	Kempner
Llano	Lexington	Lampasas
Sunrise Beach Village	**2A. Williamson County**	Lometa
1A. Burnet County	Cedar Park	**3A. Mills County**
Bertram	Florence	Goldthwaite
Burnet	Hutto	**3A. Brown County***
Granite Shoals	**2B. Wharton County**	Brownwood
Highland Haven	East Bernard	**3A. San Saba County**
Marble Falls	El Campo	San Saba
Meadowlakes	Wharton	**3A. Mason County**
1B. Travis County*	**2B. Colorado County**	Mason
Briarcliff	Columbus	**3A. McCulloch County***
Jonestown	Eagle Lake	Brady
Lago Vista	Weimar	**3B. Fayette County**
Mustang Ridge	**2B. Jackson County**	Carmine
Point Venture	Edna	Flatonia
San Leanna	**2B. Matagorda County**	La Grange
Volente	Bay City	**3B. Bastrop County**
West Lake Hills	Palacios	Bastrop
1B. Blanco County		Elgin
Johnson City		Smithville
*Non-Participating Counties		

The process is divided into three planning meetings to help each community progress through the Hazard Mitigation Plan Update. The goals of each meeting are listed below:

1. **Organize Resources and Kick-off** – Form a Steering Committee, review/amend mitigation goals and objectives, review mitigation actions, and identify critical facilities.
2. **Plan Refinement** – Finalize the mitigation goals and objectives, presentation of the hazards analysis results, develop a process to rank the natural hazards for the participating counties and communities, and discussion regarding the community capabilities assessment work to date.
3. **Finalization** – Final development and prioritization of mitigation actions, and plan finalization.

Steering Committee: For the planning process, a steering committee of participating communities is formed. This committee includes representatives of each participating community (stakeholders) that will actively participate in the planning process. The purpose of the steering committee is to guide the update and enhance the Hazard Mitigation Plan in order to provide a meaningful a useful living document.

Steering Committee Member Responsibilities Include:

- Provide guidance regarding hazards pertinent to the region, as well as within your specific community.
- Share information from these meetings with your individual community.
- Attend and actively participate in all 3 planning meetings.

Community Participation and Survey: Community input and involvement is instrumental in the development of the Hazard Mitigation Plan Update that truly reflects the perceptions and needs of residents in each participating community. We have develop community surveys and want as much input from residents, businesses and interested citizens as possible. Please take a few minutes fill out this survey so that your ideas may become a part of the plan to make communities safer and more resilient to hazards. Pleas visit www.tcrfc.org/member-resources/hazard-mitigation/hmap-update/hmap-participation/ to participate.

Website Information: For more information on the TCRFC and the Hazard Mitigation Plan update, please visit www.tcrfc.org.

City Council
1901 5Th Street
Bay City, TX 77414

TABLED

Meeting: 03/26/15 07:00 PM
Department: Public Works
Category: Planning / Plat
Prepared By: Marla Jasek
Initiator: Marla Jasek
Sponsors:
DOC ID: 1836

ORDINANCE (ID # 1836)

DISCUSS, CONSIDER AND/OR APPROVE DRAFT REVISIONS AND ADDITIONS TO CHAPTER 98 SUBDIVISION ORDINANCE AND INSTRUCT CITY ATTORNEY ON PREPARATION OF AMENDMENTS TO CHAPTER.

The Development Task Force and Public Works have identified items that need to be revised and/or added to the existing Subdivision Ordinance. These revisions will help ensure orderly development, address ambiguities in the existing ordinance and bring the ordinance into compliance with certain county and state requirements.

RESULT:	**TABLED**	**Next: 5/28/2015 7:00 PM**

Sec. 98-1. - Definitions.

Subdivision means the addition of a tract or parcel of land or the division of a tract or parcel of land into two or more parts, lots or parcels for the purpose of transfer of ownership or building development, whether immediate or future; or any division of a parcel of land if any portion is intended for public use or use of investors or owners adjacent thereto, or if a new street is involved; provided, however, that a division of land which may be ordered or approved by a court or effected by testamentary or intestate provisions, or a division of land into lots or parcels ~~of two acres or more and not involving a new street~~greater than five (5) acres, where each part has access and no public improvement is dedicated, shall not be deemed a subdivision. The term "subdivision" includes the term "resubdivision" and, when appropriate to the context, shall relate to the process of subdividing or to the land subdivided.

Commented [MJ1]: Revised to match LGC 212.00

~~**Sec. 98-5. - Annexation of subdivision outside the city.**~~

~~The city council may give written declaration of intent to annex proposed subdivisions prior to completion of improvements. Annexation shall take place after all improvements are complete and have been approved by the director of public works and plats have been properly approved and recorded.~~

Commented [MJ2]: Allows annexation prior to al improvements being complete.

Commented [MJ3]: Habib recommended elimina section since annexation is covered in the City Char

~~*(Code 1985, § 27-5; Code 2000, § 98-5; Ord. of 4-26-2001)*~~

Sec. 98-37. - Generally.

There shall be a three-stage review process for plats required to be submitted to the city for approval, consisting of a departmental review (stage one), ~~preliminary approval~~Completeness review (stage two) and final approval (stage three), all as provided in this article.

(Code 1985, § 27-26; Code 2000, § 98-41; Ord. of 4-26-2001)

Sec. 98-38. - Departmental review.

(a) The owner, or his authorized agent, shall submit to the departments of public works, a plot plan, drawn to a scale not less than one inch equals 100 feet (preferably the scale of one inch equals 20 feet or one inch equals 60 feet). A land plan, as described in Section 98-44, may be required prior to platting. The developer, the director of public works and the gas company director shall meet together and determine whether the applicable requirements of this article have been complied with. If there is disagreement on this issue, the applicant, by request, or the director of public works may take this pre-preliminary information to the city council for their determination.

Commented [MJ4]: New section proposed to ad land plan.

(b) If the director of public works and applicant reach a satisfactory agreement, the applicant may proceed to prepare data for stage two, ~~preliminary approval~~completeness review.

(Code 1985, § 27-27; Code 2000, § 98-42; Ord. of 4-26-2001)

Sec. 98-39. - Completeness review.

(a) Plat applications. Plat applications shall be made by the owner, or his authorized agent, of all affected property and shall be filed on a form prescribed by the director of public works and filed with the city. Applications shall be accompanied by a fee prescribed in section 98-42, and shall be accompanied by the following information:

(1) If a land plan was required, provide a letter stating the date on which the land plan was approved by the planning commission. If a land plans was not required, provide a preliminary development plan meeting the following requirements.

Six (6) copies of the preliminary development plan of the entire development drawn to scale and showing streets, utility easements, major landscaping features; relevant operational data, drawings and/or elevations clearly establishing the scale; and open space. Such development plan shall include maps and information on the surrounding area within 400 feet of the development. A boundary survey or a certified boundary description by a registered engineer or licensed surveyor, plus contour information, shall also be submitted. The elevation of all points used to determine the contours shall be indicated on the preliminary plan, and such points shall be given to true elevation above mean sea level. The base data shall be clearly indicated and all benchmarks shown. The following contour intervals are required:

a. One-foot contour intervals for ground slopes up to five percent.

b. Two-foot contour intervals for ground slopes between five percent and ten percent.

c. Five-foot contour intervals for ground slopes exceeding ten percent.

All elements listed in this subsection shall be characterized as existing or proposed and sufficiently detailed to indicate intent and impact.

(2) A tabulation of the land area to be devoted to various uses, and a calculation of the average residential density per net acre.

(3) A development schedule demonstrating that the developer intends to commence construction within one-year after the approval of the final development plan, and will proceed diligently to completion. If it is proposed that the final plan will be executed in stages, a schedule thereof shall be required.

~~(4) If it is proposed that the final plan will be executed in stages, a schedule thereof shall be required.~~

(b) Prior to submittal of the plat application to the planning commission for approval the director of public works shall determine whether the proposal conforms to city and other applicable regulations, and may approve or disapprove the application and the accompanying preliminary development plan or require such changes therein or impose such conditions of approval as are in the director of public works' judgment necessary to ensure conformity to the regulations. A plat application is not administratively complete until the director of public works provides to the planning commission a certificate of completeness that the plat application conforms to such regulations or the applicant submits a request for variance as to those matters for which the director of public works finds the application to be deficient. In the case of a request for variance(s), the issued certificate shall state that the matters of deficiency and the planning commission should not approve the plat unless it also approves the necessary variances in accordance with section 98-6

(1) *Letter of certification, certificate of completeness and subdivisions plat review.* After respective certifying departments and agencies, which shall include the county drainage district no. 1, have determined whether the request for letters of certification and required technical data is complete each certifying department shall issue a letter of certification to the director of public works, within 50 days. When a certifying department or agency determines that the proposed plat or any of the required accompanying data does not conform with the requirements of this chapter, the applicant may at his/her option revise any nonconforming aspects. If any data is revised and resubmitted, the certifying department/agency shall have up to 50 days from the latest date of submission minus the number of days used for the initial review to issue or deny a letter of certification. In no case shall the certifying department have fewer than ten days to review a resubmittal. Upon receipt of all letters of certification from the respective reviewing departments and agencies the director of public works shall issue a certificate of completeness.

Commented [MJ5]: Requires approval of a land p if the land plan is waived a development plan with fe requirements than a land plan.

(2) *Failure to submit certificate of completeness.* If a certificate of completeness is not issued or denied within the time periods prescribed in subsection (1), the same shall be deemed issued and the applicant may submit an application for subdivision plat approval pursuant to subsection (3), without submitting the letter of certification.

(3) *Final submittal.* A final submittal for subdivision plat approval may be filed after a certificate of completeness, has been issued by the director of public works~~.~~. An application for subdivision plat shall not be complete and shall not approval shall not be filed until after a certificate of completeness has been issued. As required by V.T.C.A., Local Government Code § 212.008, an application for plat approval shall be filed with the planning commission. The public works director shall serve as the agent for the planning commission for purposes of accepting plat applications pursuant to this chapter. For the purpose of the time limits established by V.T.C.A., Local Government Code § 212.009, no plat shall be deemed filed with the planning commission until the plat, and all required items as set forth in this section and section 98-40, and performance agreements, as applicable, tax certificates, letters of certification and, if applicable, a request for a variance have been submitted to the planning commission. The plat application shall expire unless the plat application is heard by and approved by planning commission within 24 months from the date the plat application is submitted to the public works director.

(c) No construction work shall be done on the ground until the final plat has been approved. The developer may at his own risk undertake certain ground excavations for clearing, grading and drainage purposes. Any required permits, including but not limited to a permit from Matagorda County Drainage District No. 1, shall be issued prior to commencement of work.

Commented [MJ6]: Inserted as requested by Hab

(d) Developers shall file four copies of the preliminary engineering design with the department of public works. After the filing of the preliminary development plan and preliminary engineering design, the director of public works shall forward the preliminary data to other appropriate city offices and private utilities for review of proposed improvements, including streets, utilities and drainage. The ~~city council~~planning commission shall not act on a final plat until it has first received a written report approving the preliminary data submitted.

(Code 1985, § 27-28; Code 2000, § 98-43; Ord. of 4-26-2001; Ord. No. 1477, § 5, 10-24-2013)

Editor's note—

Ord. No. 1477, § 5, adopted October 24, 2013, amended § 98-39 to read as set out herein. Previously § 98-39 was titled preliminary approval.

Sec. 98-40. - Final approval.

(a) Three (3) mylar originals of the final plat shall be submitted to the director of public works at least ~~seven~~ twenty-one (21) days prior to the planning commission meeting at which time final approval is sought and accompanied by the final filing fee as prescribed in section 98-42. All signatures shall be clearly affixed in permanent black ink. All seals shall be affixed in permanent black ink or a raised seal.

Commented [MJ7]: We need more time than 7 d complete the report for the planning commission.

(b) Four sets of plans and specifications for water, sewer, paving, gas and drainage prepared by an engineer registered in this state, which must be approved in writing by the director of public works and the gas company, shall be submitted prior to the beginning of any construction of the subdivision.

(c) The final plat shall comply with the following or shall show or be accompanied by the following data:

(1) Plats shall be drawn upon sheets ~~24 by 36~~eighteen (18) inches by twenty-four (24) inches to the scale of 100 feet to the inch, unless another scale is approved by the director of public works; and street numbers shall be clearly marked on all lots on the plat or any subsequent replat.

Commented [MJ8]: Max size allowed by Matagor County is 18x24

(2) A title, including name of subdivision, owner or owners and the certification of licensed land surveyor or registered engineer or registered public surveyor responsible for the plat, and the

scale and location of the subdivision with reference to original land grants or surveys, the date and north point.

(3) A certificate of ownership and dedication of all streets, easements, parks and playgrounds to public use forever, signed and acknowledged before a notary public by the owner and the lienholder of the land.

(4) An accurate on-the-ground boundary survey of the property with bearings and distances and showing the lines of all adjacent land, streets and easements with their names and widths. (Streets and lot lines in adjacent subdivisions shall be shown dotted.) All necessary data to reproduce the plat on the ground must be shown on the plat.

(5) Certificate of approval to be signed by the mayor and city secretary of the city shall be placed on the face of the plat.

(6) A title report showing the correct ownership of land to be subdivided, dated within 30 days of the date of submission of the plat, or an original title report with a "Nothing Further" certificate.~~.~~

(7) All construction shall be inspected while in progress by the city and must receive final approval upon completion by the director of public works before city utilities are provided to the development.

(8) A letter from the servicing utility companies, obtained by the developer, stating that the plat includes the easements required by them in the furnishing of utilities to this and future subdivisions.

(9) Two copies of deed restrictions.

(10) If any part of the plat lies in a flood hazard area, then one-foot contour lines shall be drawn with a very heavy line and designated. The plat shall also show the following statement in print equal in size to the certificates of approval: "parts of this plat lower than the 100-year flood elevation have a one-percent chance each year of being inundated by flooding."

(11) Electronic files of plat and construction drawings.

(12) Certificate of completeness.

(d) ~~The city shall be responsible for recording all plats and will retain a reproducible film of the original.~~

Following the approval of the planning commission, a plat shall follow the following procedures for recordation:

(1) The final plats shall stay in the City's possession until filed with the county clerk.

(2) The developer shall provide current tax certificate(s), in a form acceptable to the county clerk for plat recordation, prior to the city signatures and seals being affixed on the plat.

(3) The developer shall forward a check for the appropriate amount with the submittal of the originals for signatures. One (1) recorded original shall be returned to the city.

(4) All requirements of applicable ordinances shall have been met.

(5) The approval of the plat shall be valid for six (6) months. If not recorded within 6 months of approval, the plat must be re-approved by the city, subject to current requirements before recordation.

(6) The restrictive covenants shall be provided and the recording information shall be shown in a note on the plat.

(7) An address map shall be provided. All addresses shall be coordinated with the city and/or the county 911 administrator.

(Code 1985, § 27-29; Code 2000, § 98-44; Ord. of 4-26-2001; Ord. No. 1477, § 6, 10-24-2013)

Sec. 98-40.1. - Site improvements.

Commented [MJ9]: City of Rosenberg Ord 25-41 d as per Habib

When site improvements, other than gas and electric lines, are required in conjunction with a plat, a performance agreement to ensure construction of the site improvements shall be executed by the applicant and filed with the planning commission together with the plat. Such instrument shall be approved by the city attorney and shall be filed with the city when a guarantee of performance is required. A request for an extension of time for plat recordation shall include a request for an extension of the performance agreement.

(1) *Guarantee of performance.* An approved plat may be filed for record before the required site improvements are completed if one of the following guarantees of performance is approved and filed with the city within three years after the plat has been approved by the planning commission: a performance bond, a trust agreement, a or an irrevocable standby letter of credit, or a cash or cashier's check. All site improvement estimates submitted to the public works director shall detail the specific improvements needed, and shall bear the official seal and signature of a professional engineer attesting to the accuracy of the dollar amounts contained in the estimate. Any guarantee submitted shall clearly state the procedure and complete contact information for collection should a claim or draw be necessary, and shall cover the time period from submittal and approval to three years, or three years and 90 days in the case of a letter of credit, from the date of plat approval.

Commented [MJ10]: Here it is Habib—engineer's certification of construction cost.

a. *Performance bond.* A single performance bond shall be executed by a surety company licensed in the state and listed at the time of bond submission on the department of the treasury's listing of approved sureties as a certified company. The amount shall equal the cost estimate, as approved by the director of development services, of all uncompleted and unaccepted improvements required by these regulations (other than gas and electric lines), with the condition that the subdivider shall complete such improvements and have them pass a final inspection by the public works director, within three years from the date of plat approval, or shall have received an approved extension at least 30 days prior to the expiration of the performance bond. A performance bond must be claimable through a state office designated on the bond and shall be approved by the city attorney. The public works director is authorized to sign the bond instrument on behalf of the city and the city attorney shall approve the same as to form prior to acceptance of the performance bond.

b. *Trust agreement.* The subdivider shall cause to be placed in a trust account on deposit with a "trust institution", as defined by the V.T.C.A., Finance Code tit. 3. Financial institutions and businesses, that is licensed to do business in the state, (specifically, a bank, trust company, savings bank, savings association or credit union as selected by the subdivider and approved by the public works director a sum of money equal to the cost estimate, as approved by the public works director, of all uncompleted and unaccepted site improvements (other than gas and electric lines) required by these regulations. The trust account must be drawable in the state and shall be established by agreement which shall be approved by the city attorney. The public works director is authorized to sign the agreement on behalf of the city and the city attorney shall approve same as to form.

c. *Irrevocable standby letter of credit.* The subdivider shall provide a single irrevocable letter of credit issued by a bank licensed to do business in the state in an amount equal to the cost estimate, as approved by the public works director, of all uncompleted and unaccepted site improvements (other than gas and electric lines) required by these regulations. The letter of credit must be drawable through a state office, state that the issuer will honor drafts or other demands for payment upon compliance with the conditions specified in the letter of credit, and shall be approved by the city attorney. The public works director is authorized to sign the agreement on behalf of the city and the city attorney shall approve same as to form prior to acceptance of the letter of credit.

d. *Cash or cashier's check.* The subdivider shall provide to the city cash or a cashier's check in an amount equal to the cost estimate as approved by the director of development services, of all uncompleted and unaccepted site improvements (other than gas and electric lines) required by these regulations. Such cash or cashier's check shall be deposited and handled as per city policy. The cash or cashier's check shall be submitted along with a cash performance deposit instrument. Such instrument shall be approved by the city attorney.

Upon completion of the required improvements and the site improvements passing inspection by the public works director, the amount will be refunded to the subdivider by the city.

(2) *Substituting guarantees.* When a subdivider has given security in any of the forms hereinabove provided, and 50 percent of the required site improvements have been completed and approved in writing by the public works director, the subdivider may substitute for the original guarantee, a new single guarantee in an amount equal to the cost of the remaining site improvements. The cost estimate shall be approved by the public works director of development services. Such new guarantee need not be in the same form as the original guarantee so long as such guarantee is one that is listed in subsection (1). However, in no event shall the substitution of one security for another in any way change or modify the terms and conditions of the performance agreement or the obligation of the subdivider as specified in the performance agreement. Additionally, a guarantee (not including trust agreements) may not be substituted more than two times (not to include a one-time substitution approved by the public works director upon the granting of a time extension) and in no event shall the amount of a substituted guarantee be less than ten percent of the total amount of the original guarantee amount. For trust agreements, subdivider may withdraw from the trust amount when 50 percent or more of the remaining cost estimate has been completed and approved in writing by the director of development services. Subdivider may not withdraw more than four times (not to include a one-time substitution approved by the public works director upon the granting of a time extension) during the life of the trust. In no event shall the amount of the trust be less than 20 percent of the total amount of the original cost estimate until all improvements have been completed and approved.

(3) *Supplementary guarantees.* Supplementary guarantees may be required as follows:

a. *Renewal.* Until the expiration of the three-year period from the date of plat approval, the public works director, shall periodically review the estimated cost of completing such site improvements as are not then completed and determine the adequacy of the existing performance guarantee. Should the public works director determine that the sum set out in the performance guarantee is inadequate to provide for the completion of the uncompleted site improvements, he or she shall require a substitute guarantee to cover the newly estimated cost or a supplemental guarantee to cover the additional sum needed for completion.

b. *Performance guarantee.* If a subdivider submits an original performance guarantee after a period of two years has elapsed from the date on which a plat was approved by the planning commission, the actual cost estimate of completing the uncompleted site improvements shall be increased by an amount, based upon a locally recognized construction cost index as approved by the director of development services, required to cover an estimated inflationary increase in the cost during the duration of the period covered by the performance guarantee.

c. *Failure to provide guarantee.* Should the subdivider fail to provide the necessary additional substitute guarantee within 30 days of a request for same by the public works director, the director shall refuse to accept from such subdivider a performance agreement or guarantee under any form which is related to a plat subsequently filed in which such subdivider has an interest.

(4) *Release upon completion of site improvements.* Upon completion of the required site improvements and final inspection by the public works director, and county engineer if the site is located in the extraterritorial jurisdiction of the city, an instrument releasing the applicant from the provisions of the performance agreement and the performance guarantee shall be filed with the city. Such release shall be in such form as approved by the city attorney. If the necessary permits required to complete the site improvements (including, but not limited to, floodplain development permits) are denied by the city and are no longer required to serve the lots within the subdivision, the public works director shall approve and release the performance agreement and guarantee as provided herein.

(5) *Site improvement time extensions.* Time extensions for an approved and filed guarantee of performance may be granted by the planning commission.

(Ord. No. 1477, § 7, 10-24-2013)

~~Sec. 98-41. Lot consolidation and lot line adjustment.~~ Administrative approval

Commented [MJ11]: Minor Plats added used Mc TX as an example with revisions to remove zoning references and screening an buffering

~~(a) Lot consolidation or adjustment may be accomplished without replatting, provided the appropriate regulations below are followed:~~

~~(1) In the case of lot consolidation:~~

~~a. Lot consolidation may be made without replatting when approved by the city council.~~

~~b. Normally, no more than three lots shall be affected by the proposed lot consolidation.~~

~~c. No such adjustment shall alter any public right-of-way or public easement.~~

~~(2) In the case of lot line adjustments:~~

~~a. Lot line adjustment may be made without replatting when approved by the city council, provided there is concurrence of all owners of property affected by the lot line adjustment.~~

~~b. The proposed adjusted lot line must be a single, straight line or parallel to the existing lot line.~~

~~c. The lot line adjustment must not be more than a maximum of ten feet average relocation of the existing lot line.~~

~~d. The lot line adjustment shall not be inconsistent with any provision of recorded subdivision restrictions or covenants.~~

~~e. No more than two lots are affected.~~

(~~a~~b) The following shall be submitted to the department of public works fourteen (14) days prior to the ~~city council meeting at~~date which action is sought by the director of public works:

(1) Completed application ~~for lot line adjustment form~~ accompanied by a filing fee ~~of $20.00~~, paid to the public works department.

(2) Submit a final plat meeting the drawing requirements of Section 98-40 and c~~C~~opies of deeds and restrictive covenants applicable to all lots involved.

(3) ~~Scale drawing on legal size paper showing all lots and structures involved, as platted, and as desired.~~Complete recordation in accordance with Section 98-40(d).

(b~~c~~) Action of the ~~city council~~director of public works shall be final, and no proposal regarding the same lots shall be considered for a period of 60 days~~. Copies of the city council action and scale drawings shall be filed with the county clerk for inclusion in the county deed records within 90 days of the date of council approval.~~

~~(~~c) For purposes of keeping the planning commission and the general public informed of platting activity, the regular monthly planning commission agenda shall include an agenda item reporting all lot consolidations, lot line adjustments and/or minor plats processed during the preceding month.

(Code 1985, § 27-30; Code 2000, § 98-45; Ord. of 4-26-2001)

Sec. 98-41.1 Minor plat.

Commented [MJ12]: Minor Plats added used Mc TX as an example with revisions to remove zoning references and screening an buffering

(a) In accordance with the V.T.C.A., Local Government Code § 212.0065, the city delegates to the director of public works the authority to approve minor plats and amendments to minor plats, which:

(1) Involve four or fewer lots;

(2) Front onto an existing street; and

(3) Do not require the creation of any new street or the extension of municipal facilities.

(b) The director of public works may, for any reason, elect to present the minor plat to the planning commission for approval.

(c) The director of public works shall not disapprove the minor plat and shall be required to refer any minor plat that he refuses to approve to the planning commission for consideration.

(d) Documentation submitted for approval of minor plats shall meet the plat requirements of Section 98-40(c).

(e) Schematic plans required. To assist in a complete and thorough review of the proposed minor plat, the following schematic plan types may be required, as determined by the director of planning. Such required plans must be submitted on separate sheets at the same scale as the minor plat.

(1) A plan showing existing topography with the proposed lot layout shown. The following contour intervals are required:

a. One-foot contour intervals for ground slopes up to five percent.

b. Two-foot contour intervals for ground slopes between five percent and ten percent.

c. Five-foot contour intervals for ground slopes exceeding ten percent.

(2) A plan showing the proposed layout, lot numbers, and setback lines for single family and duplex residential subdivisions;

(3) An exhibit showing the entire proposed subdivision layout on a single page will be required if a multiple page minor plat is submitted.

(f) The variance provisions in Section 98-6 and recordation provisions in Section 98-40(d) shall also apply to minor plats.

Sec. 98-41.2 Amending plat.

(a) In accordance with V.T.C.A., Local Government Code § 212.0065, the City delegates to the director of public works the authority to approve amending plats under the following conditions:

(1) The amending plat shall be signed by all persons owning property within the tracts for which the amending plat is submitted.

(2) The director of public works may, for any reason, elect to present the amending plat to the planning commission for approval.

(3) The director of public works shall not disapprove the amending plat and shall be required to refer any amending plat which he refuses to approve to the planning commission for consideration.

(4) The amending plat shall be solely for one or more of the following purposes:

a. To correct an error in a course or distance shown on the preceding plat;

b. To add a course or distance that was omitted on the preceding plat;

c. To correct an error in a real property description shown on the preceding plat;

d. To indicate monuments set after the death, disability, or retirement from practice of the engineer or surveyor responsible for setting monuments;

e. To show the location or character of a monument that has been changed in location or character or that is shown incorrectly as to location or character on the preceding plat;

f. To correct any other type of scrivener or clerical error or omission previously approved by the municipal authority responsible for approving plats, including lot numbers, acreage, street names, and identification of adjacent recorded plats;

g. To correct an error in courses and distances of lot lines between two adjacent lots if:

- Both lot owners join in the application for amending the plat;
- Neither lot is abolished;
- The amendment does not attempt to remove recorded covenants or restrictions; and
- The amendment does not have a material adverse effect on the property rights of the other owners in the plat;

h. To relocate a lot line to eliminate an inadvertent encroachment of a building or other improvement on a lot line or easement;

i. To relocate one or more lot lines between one or more adjacent lots if:

- The owners of all those lots join in the application for amending the plat;
- The amendment does not attempt to remove recorded covenants or restrictions; and
- The amendment does not increase the number of lots;

j. To replat one or more lots fronting on an existing street if:

- The owners of all those lots join in the application for amending the plat;
- The amendment does not attempt to remove recorded covenants or restrictions;
- The amendment does not increase the number of lots; and
- The amendment does not create or require the creation of a new street or make necessary the extension of municipal facilities.

(b) A notice, a hearing, and the approval of other lot owners are not required for the approval and issuance of an amending plat. The documentation submitted for approval of amending plats shall meet the plat requirements of Section 98-4-(c), in addition to the following items:

(1) Purpose statement. A purpose statement shall be provided on the proposed amending plat. This statement shall provide a brief synopsis of the reason for the proposed plat.

(c) The provisions in Section 98-6 and recordation provisions in Section 98-40(d) shall also apply to minor plats.

Sec. 98-42. - ~~Filing fee for plats.~~ Fees

Commented [MJ13]: Need to revise fees for plat … need to add fees for land plan review and construct … review. B Used rates from Victoria and McKinney to establish new rates.

a) All plats and construction plans shall be submitted to the director of public works with the appropriate fees for review.

b) The land plan fee shall be $200.

c) The fee to be paid to the City for construction (infrastructure) plan review shall be $200 for sites less that one (1) acre, $300 for sites one (1) to five (5) acres, and $500 for sites greater than five (5) acres.

d) The fee for preliminary plats shall be $200 for sites less that one (1) acre, $350 for sites one (1) to five (5) acres, and $500 for sites greater than five (5) acres.

e) The fee for final plats shall be $300 plus $5 per lot or reserve or portion thereof.

f) The fee for minor plat/replat shall be $150 plus $5 per lot or portion thereof contained within the platted tract.

g) The fee for an amending plat shall be $100 per plat.

h) Recordation with the County Clerk's office shall be equal to the County's recording fee as published by the County Clerk's Office.

i) The fee for an alley or easement abandonment shall be $100 per application.

j) The fee for deed approval shall be $50.

k) The fee for mobile home park plats or recreational vehicle parks, as prescribed in Section 54-139(d) shall be $300 plus $5 per lot/stand.

~~(a) All applications to the city council for the approval of any proposed plat required to be submitted to the city council shall be submitted to the department of public works and shall be accompanied by a filing fee of $50.00 applicable to the final fee paid to the public works department. Applicants shall also furnish additional fees as determined in conformance with the following schedule, and the city council shall not act upon any plat submitted to it unless all fees as provided in this section have been received. Preliminary fees shall cover a maximum of 180 days.~~

~~(b) The fee to be paid for a final plat shall be $1.00 per dwelling unit plus $5.00 per acre for other uses, but not less than $50.00, paid to the public works department.~~

~~(c) The fee to be paid to the city for vacation of a subdivision shall be $25.00, plus $15.00 per acre (gross area of the whole tract), paid to the public works department.~~

Commented [MJ14]: We have a fee but I haven't the process to vacate or reference to LGC in our Ord

(Code 1985, § 27-31; Code 2000, § 98-46; Ord. of 4-26-2001)

Sec. 98-43. - Land use for nonresidential purposes.

(a) Reserves in the case of land use for nonresidential purposes shall be labeled A, B and C rather than numbered as blocks and lots.

(b) Minimum building lines in the case of land use for nonresidential purposes are to be provided for reserves.

(Code 1985, § 27-32; Code 2000, § 98-47; Ord. of 4-26-2001)

Secs. 98-44—98-74. - Reserved.

Sec. 98-44 Land Approval Plan

Commented [MJ15]: City of Rosenberg Ord 25-3

(a) *General requirements.* A land plan consisting of a general plan, master plan, and/or concept plan shall be submitted to the Director of Public Works or designee for review by the commission prior to or in conjunction with the submittal of any preliminary plat, except as noted below, for any tract of land over fifty (50) acres in size or if phased development is proposed. If the Director of Public Works or designee determines that an area less than fifty (50) acres contains unique features or is surrounded by existing or proposed subdivisions with potential limited access, a land plan may be required to be reviewed prior to the preliminary or final plat submittal. The decision of the Director of Public Works or designee to require a land plan shall be deemed final and binding as a condition prerequisite to further review of the proposed subdivision plan.

(b) *Purpose.* The purpose of the land plan is to allow the planning commission to review the proposed major thoroughfare and collector street patterns, land use, environmental issues, conformance to the comprehensive master plan, the property's relationship to adjoining subdivisions or properties, as well as such additional developmental or infrastructure review as deemed necessary by the city.

While certain items may be required or supplied without requirement, recommendation of approval of a land plan by the planning commission to proceed is granted only for infrastructure, thoroughfare and collector street patterns, land use (not density or lot layout), environmental issues, conformance to the master plan, and relationship to adjacent properties. The planning commission cannot recommend approval beyond this scope.

(c) *Partial development.* Where a phased or partial development is proposed, the land plan area shall include the entire property from which the initial or any subsequent phase is being subdivided. Where the applicant can demonstrate that natural or manmade features, such as creeks and thoroughfares, make unnecessary the inclusion of the entire property in the land plan to adequately review the proposed subdivision for compliance with all of the terms and provisions of this Code, the subdivider may request approval from the planning commission for a submittal of a smaller land plan area. Boundaries such as thoroughfares (existing or proposed), creeks, political subdivisions, or other such natural or man-made features may be used to delineate the smaller land plan area.

(d) *Not required.* A land plan shall not be required if the preliminary plat(s) contains sufficient information to provide for the proper coordination of development.

(e) *Application and fees.*

(1) The land plan shall be accompanied by the completed application and appropriate fees at least twenty-one (21) days prior to the commission meeting at which it is to be considered.

(2) Three (3) copies of prints of the proposed subdivision, drawn on sheets at a size of eighteen (18) inches by twenty-four (24)inches shall be submitted. After an administrative review of the land plan, a revised submittal may be required. If required, the revised land plan shall be submitted twenty-one (21) days prior to the commission meeting and shall include three (3) copies of the plan drawn on sheets at a size of eighteen (18) inches by twenty-four (24)inches.

(f) *Traffic impact analysis.* Any land plan or subdivision plat must accompany with its application a traffic impact analysis in such format and under such procedures as the Director of Public Works or designee may from time to time require or specify. Failure to provide a traffic impact analysis and/or traffic study or to meet any other requirements that may be imposed by the Director of Public Works or designee shall be grounds to deny the filing of any subdivision plat tendered or offered for filing.

Additionally, a traffic impact analysis may be required by the Director of Public Works or designee, or by the commission, to address the following:

(1) Increased traffic loadings on existing streets.

(2) Traffic patterns and street classifications within proposed development.

(3) Traffic control devices within the proposed development and on adjacent streets.

(g) *Effect of approval.* The recommendation by the planning commission to proceed in relation to the land plan shall not be deemed to grant or vest in the applicant any approvals or grants other than as specifically provided in this Code and does not constitute approval of the subsequent plats within the plan boundaries.

The land plan recommendation does not exempt a developer from meeting all ordinances in effect at the time of the recommendation and any and all amendments or newly-adopted ordinances after recommendation and prior to final plat approval, unless agreed to by the city council under a separate development or utility agreement.

(h) *Length of recommendation*. Unless agreed to by the city council under a separate development or utility agreement, the recommendation of a land plan shall be valid for a period of eighteen (18) months. Extension(s) may be approved by the planning commission for up to an additional six (6) months for a total of two (2) years. Upon approval by the planning commission of a final plat of individual sections of the development, the land plan approval is automatically extended for an additional eighteen (18) months. However, unless agreed to by the city council under a separate development or utility agreement, the approval of a land plan shall not be valid for a combined period of more than five (5) years.

(i) *Graphic requirements.* The following are the graphic requirements of a land plan:

(1) A scale of one (1) inch = two hundred (200) feet or one (1) inch = four hundred (400) feet.

(2) A title block within the lower right corner of the land plan.

(3) A vicinity or location map that delineates the location of the proposed subdivision with respect to major thoroughfares, freeways, water courses and ditches. The vicinity map shall be located in the upper right corner of the drawing or map.

(4) Proposed name of the development.

(5) The name and address of the subdivider and the land planner, engineer, or surveyor responsible for the design or survey.

(6) A graphic scale indicating the scale at which the drawing is prepared.

(7) Date of the drawing.

(8) The legal description of the tract according to the abstract and survey records of the county.

(9) North clearly indicated to the top or left of the plan.

(10) The perimeter of the boundary drawn in a bold solid line.

(11) The names of adjacent additions or subdivisions with respective recording information and/or owners of adjoining parcels of unplatted land with respective recording information.

(12)

(13) The location, width and names of all existing or platted streets or other public rights-of-way within and/or adjacent to the tract.

(14) Existing permanent buildings.

(15) Railroad rights-of-way.

(16) Topography with contours at appropriate intervals. The following contour intervals are required:

a. One-foot contour intervals for ground slopes up to five percent.

b. Two-foot contour intervals for ground slopes between five percent and ten percent.

c. Five-foot contour intervals for ground slopes exceeding ten percent.

(17) Existing drainage channels or creeks and other important natural features.

(18) Existing pipelines, fee strips and easements.

(19) Adjacent political subdivisions and corporate limits.

(20) Applicable district boundaries.

(21) The proposed layout and width of proposed thoroughfares, collector streets and minor streets.

(22) Designation of tracts as lots or reserves in accordance with anticipated usage.

(23) A table indicating the number of typical lot sizes and the percentages of each by phase or sections and total development.

(24) The city shall be provided with an electronic file of the land plan in the format(s) designated by the city.

(j) *Changes to land plan.* Changes to the land plan may be acceptable up through the platting procedures as long as the changes are minor and are not critical or greatly affect the configuration of thoroughfares and collector streets, drainage or other infrastructure, entrances, land uses, etc. The Director of Public Works or his designee will determine if a change is minor or if there is a need for a new land plan.

Sec 98-45. NEED TO ADD LANGUAGE TO ADOPT LOCAL GOVERNMENT CODE 212 SUBCHAPTER B which allows the City to require a development plat when a subdivision plat is not required for the property.

Sec 98-46. –Deed approval of certain parcels.

(a) The purpose of the deed approval process is to provide for a method of approving the issuance of building permits on existing, unplatted parcels, in cases where platting is

Commented [MJ16]: Need language from City At to adopt LGC 212 Subchapter B. Also requires heari to adoption as per LGC 212.

Commented [MJ17]: Need this section to addres properties that were not dividing in accordance wit 212. Allows permitting of existing divided propertie most cases, without going through the full platting

neither necessary nor productive. The deed approval process shall only apply to parcels which have not been subdivided or resubdivided since the adoption of original subdivision regulations by the City of Bay City (Month DATE, Year) and all required public facilities are existing.

(b) Under certain circumstances, approval may be given for the issuance of building permits on existing uplatted parcels, through the deed approval process. In order to be approved through the deep approval process, a parcel shall meet the following conditions:

(1) The subject parcel shall not have been subdivided or resubdivided since the date of the original adoption of subdivision regulations by the City of Bay City.

(2) No new lot(s) may be created by the deed approval; and

(3) Deed approval shall not be granted for the any parcel which would require the extension of any street(s) or municipal utilities to be dedicated to and maintained by the City.

(4) Deed approval shall only be granted for the issuance of single-family residential, manufactured home placement, and duplex building permits. Deed approval may not be granted for non-residential uses.

(c) Application for deed approval shall be submitted to the Director of Public Works. The application shall consist of the following:

(1) A completed applications form.

(2) The deed to the subject property and any other necessary documentation to substantiate that the parcel has not been subdivided since the adoption of the subdivision regulations; and

(3) The appropriate application fee. This fee is not refundable.

(c) The Director of Public Works shall review the deed approval application, and either approve or disapprove the deed approval within fourteen (14) working days after its submittal. If the deed approval application is disapproved, the applicant may submit either a minor or major subdivision plat, whichever is applicable.

Commented [MJ18]: Victoria uses their ordinanc adoption date. The task force discussed using the d 212 went into effect. Platting is a state requiremen punishable as a Class C misdemeanor. The City Atto recommend using the date the subdivision ordinanc originally adopted by the City.

C

Commented [MJ19]: City of Victoria charges $45 deed approval.

City Council
1901 5Th Street
Bay City, TX 77414

SCHEDULED

Meeting: 03/26/15 07:00 PM
Department: Public Works
Category: Planning / Plat
Prepared By: Marla Jasek
Initiator: Marla Jasek
Sponsors:
DOC ID: 1839

DISCUSSION ITEM (ID # 1839)

Discuss Recommendations for Updating Building Codes

The City is currently operating under the 2009 International Codes and 2011 National Electric Code. Recommendations are attached.

From: Marla Jasek
Sent: Thursday, March 05, 2015 10:53 AM
To: Rhonda Clegg; Mayor's Office
Cc: Barry Calhoun; Kathy Rawlings
Subject: RE: Open Items - February 24, 2015 and February 26, 2015

I talked to Greg Hallmark with Bureau Veritas regarding updating building codes. He recommends adopting all of the 2015 Codes, with the exception of the Energy Code, and upgrading to the 2014 National Electric Code.

The minimum state-mandated energy code for single family homes was covered in the 2009 International Residential Code. He recommends that we adopt the 2009 International Energy Conservation Code with covers residential and commercial construction.

With adoption of the 2015 Codes, we will also need to adopt the 2015 International Existing Building Code because Chapter 34 in the International Building Code, which dealt with existing buildings, has been deleted in the 2015 version.

Mr. Hallmark said the changes in the 2015 codes have the following cost implications:
50% of the changes decrease costs
40% have basically no effect on cost
10% increase cost of construction.

By adopting the 2015, we would not have to upgrade again for another 5 years to keep our ISO (Insurance Service Office) rating favorable (need to be current within 2 versions or 5 years of code). The older energy code would not affect our ISO rating.

Below is a list of the Codes that have been adopted:

Sec. 22-10	International Property Maintenance Code, 2009 Edition
Sec. 22-21	International Residential Code, 2009 Edition
Sec. 22-48	International Building Code, 2009 Edition
Sec. 22-196	2011 Edition of the National Electric Code
Sec. 22-296	International Plumbing Code, 2009 Edition and International Fuel Gas Code, 2009 Edition
Sec 22-382	International Mechanical code, 2009 Edition
Sec. 22-410	International Property Maintenance Code, 2009 Edition
Sec. 42-76	International Fire Code, 2009 Edition

City Council
1901 5Th Street
Bay City, TX 77414

SCHEDULED

Meeting: 03/26/15 07:00 PM
Department: City Secretary
Category: Report
Prepared By: Rhonda Clegg
Initiator: Rhonda Clegg
Sponsors:
DOC ID: 1813

DISCUSSION ITEM (ID # 1813)

STATUS UPDATE ON REPAIR OPTIONS FOR NILE VALLEY ROAD.

City Council
1901 5Th Street
Bay City, TX 77414

SCHEDULED

Meeting: 03/26/15 07:00 PM
Department: City Secretary
Category: Report
Prepared By: Rhonda Clegg
Initiator: Rhonda Clegg
Sponsors:
DOC ID: 1812

DISCUSSION ITEM (ID # 1812)

RECEIVE UPDATE ON THE VISION 2040 PLAN AND TAKE ANY ACTION THAT IS NECESSARY.